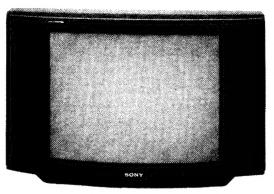
KV-C2941D **RM-816**

SERVICE MANUAL

AEP Model Chassis No. SCC-F07P-A





AE-1C CHASSIS

| MODELS OF TH | E SAME SERIES |
|------------------|------------------|
| KV-C2941D | KV-E2521D/E2921D |
| KV-C2551D/C2951D | |
| KV-A2111D/A2511D | |

SPECIFICATIONS

Television system

Color system

Stereo system

Channel coverage

Picture tube

Inputs

Outputs

Sound output Power consumption

Dimensions incl.speakers

Weight incl.speakers

B/G/H

PAL, SECAM, NTSC3.58, NTSC4.43

GERMAN stereo

VHF: E2-E12 UHF: E21-E69

CABLE TV (1): S1-S41

CABLE TV (2): S01-S05, M1-M10, U1-U10 Hi-Black Trinitron tube

Approx. 72.4 cm

(Approx. 68 cm picture measured diagonally)

110 ° -degree deflection

ö

1 21-pin connector:

CENELEC standard including RGB input.

→ 2 21-pin connector:

including S video input

21-pin connector: CENELEC standard

Headphones jack: stereo minijack Audio output jacks: phono jack (output

dependent upon TV settings)

15W + 15W

115Wh

Approx. $854 \times 555 \times 510$ mm (w/h/d)

Approx. 52kg

[RM-816]

Remote control system infrared control

Power requirements

3V dc

2 batteries IEC designation

R6 (size AA)

Dimentions

Weight

Accessories supplied Supplied accessories

Approx. $75 \times 221 \times 23$ mm(w/h/d) Approx. 230g (including batters)

IEC designation R6 batteries (2) RM-816 Remote Commander (1)

IEC designation R6 batteries (2)

Design and specifications are subject to change without notice.

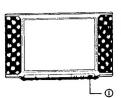


TRINITRON®COLOR TV SONY

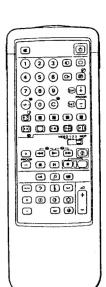
SECTION 1 GENERAL

Turning the TV unit ON and OFF

After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220/240V-, 50Hz).



| Turning the TV unit ON | | |
|------------------------|---|--|
| Action | Result | |
| Press © on the TV. | The TV will turn on. Note: If the screen remains blank, the TV may be in the standby mode. Press O to switch it on. | |



| Turning the TV unit OFF | |
|------------------------------------|--|
| A Temporarily | |
| Press & to enter the standby mode. | The TV will be in the standby mode. To return to the TV mode press O. |
| B Completely | |
| Press @ on the TV set. | The TV will be turned off. |

TV channel presetting

After installing the TV set, TV channels must be preset.

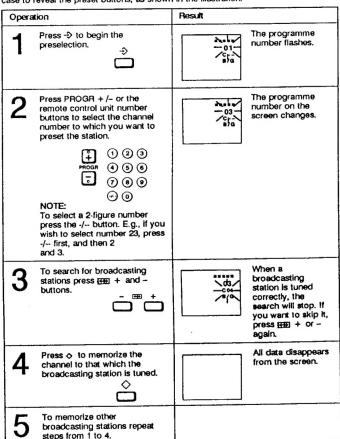
TV broadcasting stations broadcast their programmes on certain fixed frequencies (channels). In order to receive these programmes it is necessary to search for the relevant broadcasting station and to set record it as a channel. The "programme number" is the number that the user decides to associate with a certain channel.

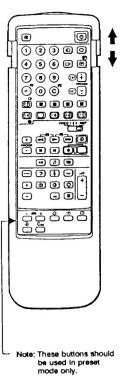
For channel settings there are 60 positions available in the memory. In this way all stations broadcasting within the user's country can be received and recorded as a channel

TV channels automatic presetting

If you are unfamiliar with the transmission frequency of the channels you wish to preset, refer to the section "TV channels automatic presetting". However, if you want to tune them using the frequency of each channel, go to the section "Direct TV channel settion".

To select a button on the "complete" side, take out the remote control unit from its case to reveal the preset buttons, as shown in the illustration.





| Direct | TV channel setting | | |
|--------|--|--|--|
| Opera | ition | Result | |
| 1 | Press → to begin the presetting. → | -03- -03- | The programme number begins to flash on the screen. |
| 2 | Press PROGR + /- or the number buttons on the remote control unit to select the channel number to which you want to preset the station. To all a a a a a a a a a a a a a a a a a | \d1/ -032 /*(% | The programme number on the screen changes. |
| 3 | Press C. If you wish to select a cable station, press C twice. | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Indication "C" ("S" for cable stations) flashes on the screen |
| 4 | By using the number buttons of the remote control unit select the channel number, always with two figures (for "4" press "04"). (1) (2) (3) (3) (6) (7) (8) (9) Note: Press the second number within 5 seconds of the first. After 5 seconds the operation is cancelled. | | The channel number changes on the screen. mistake, the "X" the screen. Repeat peration of step 4. |
| 5 | Press ♦ to memorize the channel to which the station is tuned. ♦ | | All Indications disappear from the screen. |

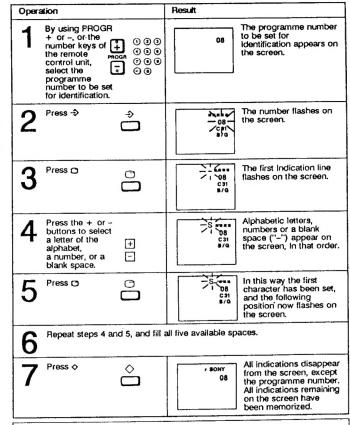
To memorize other broadcasting stations repeat the above procedure.

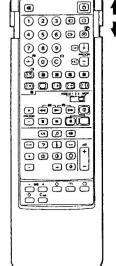
TV channel presetting

Broadcasting station identification

By associating a name with a certain broadcasting station it is possible to avoid having to remember, each time, in which channel number that particular station has been memorized.

Five different characters are available for station identification.





| Temporary | channel | tuni | in |
|-----------|---------|------|----|
|-----------|---------|------|----|

It is possible to temporarily memorize a channel, even if it has not been preset.

| Opera | ation | Result |
|-------|---|---|
| 1 | Press C. Press C twice for a cable station. | "C" ("S" for cable stations) indication appears on the screen. |
| 2 | Using the number keys of the remote control unit select the channel number, always with two figures (e.g., "04" for channel "4"). | The channel will be received, but it will not be set as a programme number. |

Skipping channels

12300 45600 7890 7000

® • • •

00000

۵ُ۵ٌ۵۵۵۵ ۵۵

O

7010111

Using the PROGR + /- buttons you can skip unused programme numbers. However, the skipped numbers may still be called up using the number buttons.

| Oper | ation | Result | |
|------|--|--------|--|
| 1 | Press → to begin presetting. → | | The programme number begins to lash on the screen. |
| 2 | By using the PROGR + and - buttons, or the number keys of the remote control unit, select the programme number you wish to skip. This is a control unit in the programme of t | | he programme number changes. |
| 3 | Press C ₀₀ . C ₀₀ | 03/ F | Under the programme number, the lowest channel number appears. |
| 4 | Press • . • | 03 F | all indications inder the programme number disappear from the creen. The skipped programme number will be memorized. |

Manual fine tuning

If the picture is not perfect, it is possible to fine tune it manually.

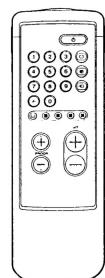
| Operation | Result |
|---|---|
| Press (HP) + or - repeatedly until the picture is at the optimum. | The Indication ←F→ appears on the screen. |
| Press → to start preselection. | The programme number starts flashing on the screen. |
| Press ♦. | Manual fine tuning has been memorized. |

Note: Manual fine tuning will be reset when the channel is selected again.

Basic functions

To open, press the arrow 1.





This section introduces you to the basic control functions which are available on the "simple" side of the remote control unit.

Programme selection

Before selecting programmes make sure that TV channels have been memorized.

| Operation | Result |
|---|---|
| Press PROGR + /- buttons or the number keys of the remote control unit. To select a 2-figure number press -/ button. E.g., if you wish to select number 23, press -/ first, and then 2 and 3. | 04 The selected programme number appears on the screen. |

Volume control

| Operation | | Result | |
|--------------|-----|--------------------|--|
| Press ⊿ + or | (+) | ⊿ 111111111 | The volume indication appears on the screen. |

Use of additional functions

Use of other functions with the TV set buttons

It is also possible to select programmes and to adjust the volume by using $P \rightarrow \triangle \rightarrow \bigcirc$ and $\rightarrow \bullet \leftarrow +$ or – buttons, located on the front panel of the TV set. In this case, press first $P \rightarrow \triangle \rightarrow \bigcirc$ until the indication P (channel) or \triangle (volume) appears on the screen, and then press $\rightarrow \bullet \leftarrow +$ or – buttons.

Use of teletext service

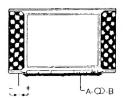
Press . To return to the TV mode, press O. For further information on the teletext service see page 12.

Selection of the video input

Press . To return to the TV mode, press O. For further details, refer to page 16.

Special functions

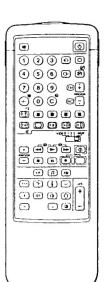
This section explains the use of functions for adjusting pictures and sound. Use the "complete" side of the remote control unit.



Use of special functions

The following functions can be used.

| Function | Operation | Reset |
|---|--|-----------------------|
| Indication display | Press 🖸 | Press @ again. |
| Sound muting | Press 🗱 | Press ⊄ again. |
| Language selection for bilingual programmes. | Press A/B. The selected language is displayed by the relevant indication on the screen. | Press A/B. |
| Sound adjustment for music programmes. | Press J | Press J again. |
| Use of special sound effects. | Press 😝 | Press ⊕ again. |
| Time display (only during teletext broadcasting). | Press @ | Press @ again. |



Picture and sound adjustment

Although the picture and sound have been adjusted at the factory, you might want to adjust them to your own taste. To do this, please follow the steps below.

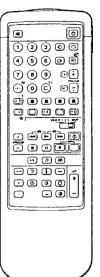
| To Adjust: | Press: | Then: | Result: (+ ++ -) |
|---------------------|----------|------------------|------------------|
| Picture: | | | |
| Colour Intensity | 9 | | More Less |
| Contrast | 0 | F1 | More Less |
| Brightness | Φ | | Brlght ↔ Dark |
| Hue (for NTSC only) | لائع | | Reddish Greenish |
| Sharpness | Φ | | More ↔ Less |
| Sound: | | | |
| Bass | 2 | (+) | More ↔ Less |
| Treble | | | More ↔ Less |
| Balance | <u>N</u> | | Left ↔ Right |

To reset the picture and sound to factory set levels, press →• ←.

On the set: Press the $\rightarrow \bullet \leftarrow$ and +/- buttons simultaneously.

Use of the teletext service

Through the teletext service a great deal of information can be received at any time. Broadcasting stations make this service available through TV broadcasts. To use the teletext service, use the green keys on the "complete" side of the remote control unit. When the "simple" side of the remote control unit is used, only the basic functions are available.



| How to display teletext service | | | |
|---------------------------------|---|---|--|
| Operation | | Result | |
| 1 | Select the channel you want to watch. | The channel changes on the screen. | |
| 2 | Press | If there is no telefext signal, the indication "Page 100" appears on the screen. | |
| 3 | Use the number keys of the remote control unit to Insert the three figures corresponding to the desired teletext page. Note In case of a mistake, press any three numbers, and then repeat the operation with the correct numbers. | The selected page number appears on the screen. After a few seconds, the selected page appears on the screen. | |
| | To return to normal TV programmes: Press ⊜. | | |
| | To change teletext channel: First press O to return to the TV mode, and then repeat steps 1 to 3. | | |

Note: A weak TV signal may cause trouble in the use of teletext.

Use of special teletext functions

| Required function | Operation | Result (on the screen) |
|--|----------------------------------|--|
| Page index required. | Press @ (INDEX). | Page Index appears. |
| Sub-pages required (page 888). | Press () . | The sub-page appears (page 888). |
| Access to previous or following pages. | Press & (PAGE +) or (PAGE -). | The preceding or the following page appears. |

| Required function | Operation | Result (on the screen) | |
|--|--|--|--|
| Superimposition of the teletext on the TV programme. | In the TV mode, press ® twice. To return to the normal teletext function press ® again. | Teletext information will appear superimposed on the TV programme. | |
| To prevent page changes due to page updating. | Press @ (STILL). Press @ (TXT/MIX) to return to the normal function. | The se (STILL) symbol appears on the screen. | |
| Magnification of teletext characters. | Press ① once to magnify the upper half of the screen. Press twice to magnify the lower half of the screen. By pressing the button three times the normal vision is restored. | The upper or the lower half of the page is magnified. | |
| Display of hidden information (answers to quizzes, etc.). | Press @ (RIV). Press again to hide the answers. | The information is displayed. | |
| Watching a programme while | 1. Ask again for the page. | The number is displayed. | |
| the teletext searches for the required page. | 2. Press ₪ | TV programme is displayed. | |
| | When the required page has been found, the page number will be displayed. | P201 | |
| | 4. Press 	 to display the page. | The desired page will be displayed. | |
| Display of a page at a preset time. | Request the page. | The selected page will be displayed. | |
| | 2. Press ❷ (MEM.T). | In the lower part of the screen the indication "T****" appears. | |
| | 3. Set the required time by using the number keys, and by inputting four figures (e.g. 0730 for "7:30"). | The required time is displayed on the screen. | |
| To watch TV programmes until a preset time Press (a) (CANC.). At the required time, the selected page ap the upper part of the screen. Press (a) to display the page. To cancel the request | | ime, the selected page appears in ento display the page. | |
| | Display the teletext page and then | press en (CANC.M.). | |

 ∞

Note: Depending on the teletext service, certain functions may not be available.

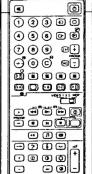
Use of the teletext service

Use of the FASTEXT function

The FASTEXT function allows rapid access, at the touch of a single button, to the teletext functions. In the lower part of the screen, a colour coded index will be displayed when a FASTEXT teletext page is broadcasted. Each colour corresponds to the colored keys on the remote control unit.

Operation

| Operation | Result |
|---|---|
| Press one of the coloured keys on the remote control unit corresponding to the coloured indications of the FASTEXT teletext page. | The selected teletext page appears on the screen. |



Note:

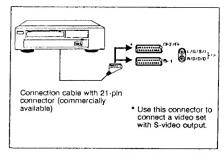
The correct use of the FASTEXT function depends on the signal being broadcast by the TV stations. Some TV stations may not broadcast FASTEXT teletext signal.

Connection to an external audio/video system

This TV set incorporates three groups of connectors, for input and output to the TV signal. Each group has the following characteristics.

| Connector | Input signal | Output signal | |
|-------------|---|---|--|
| ⊝ -1 | Normal audio/video signal or RGB signal | TV tuner audio/video signal | |
| O+2/O- | Normal audio/video signal and S-video signal | Audio/video signal from a selectable source | |

Connection of a TV set



Connection of a videotape recorder through the T connector

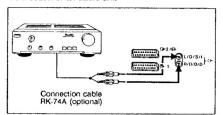
Connect the antenna input (AERIAL-IN) of the TV set to the antenna output (AERIAL-OUT) of the videotape recorder.

Pictures with distortion

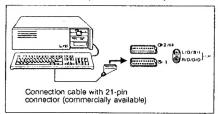
Move the TV set away from the videotape recorder if pictures or sound become distorted.

Connection of an audio unit

9



Connection to a computer with RGB output



Connections and optional functions



P-4→Ð -,,†

6 0000 **0**0000 700 00€ ඒ®© ®... மிறைக்க @ **@** @ @ _ 6°6°6 6°6°6°6 •• Ø •• -0000 O

Video programme playback

Using the input selector, pictures coming from a videotape recorder connected to the TV sets input may be played back.

Operation

| Operation | Result | |
|--|---|--|
| Select the desired video input by pressing € repeatedly. | The symbol of the selected input appears on the screen (see table below). | |

Selectable inputs

| Symbol | Selected input | |
|--|--|--|
| €1 Audio/video signal from €1 connecto | | |
| -o | RGB signal from 6-1 connector. | |
| €2 | Audio/video signal from @-2/@- connector. | |
| -0 2 | S-video signal (from a VTR with S-video output) from G-2/G- connector. | |
| | ed also with the $P \rightarrow \triangle \rightarrow \bigcirc$ buttons of the TV set. lect \bigcirc , and then press the +/- buttons to select the desired | |

Selection of video output

The @- 2/@- connector may output 4 video signals. Select the outgoing video signal in the following way.

Operation

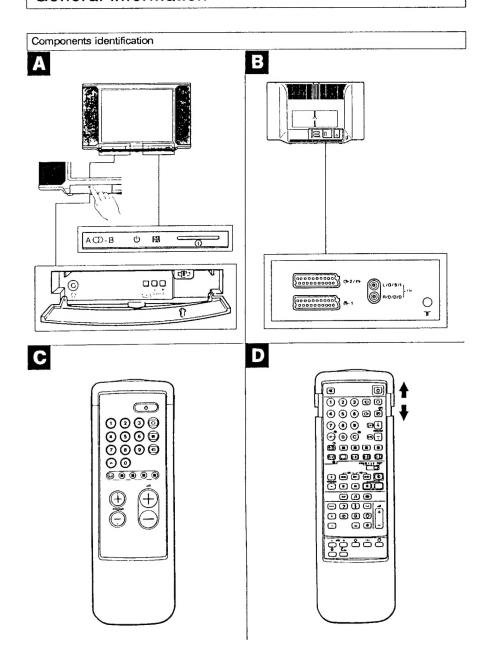
| Operation | Result | |
|--|---|--|
| Press - repeatedly to select the desired video output. | The selected video output symbol appears on the screen (see the table following). | |

Outrast cional

| Symbol | Selected output | |
|--------|--|--|
| 10- | Audio/video signal from &1 connector. | |
| 20- | Audio/video signal from ⊕ 2/⊕ connector. | |
| TV G- | Audio/video signal from T-type antenna connector Tr. | |

General information

10



General information

This section briefly describes controls of the TV set and the remote control unit, and their relevant functions.

| Α | A TV set front panel | |
|-------|----------------------|--|
| | Indication | Description |
| | Φ | Power switch |
| | ტ | Standby switch |
| | A - (1) - B | Bilingual function Indications |
| | ດ | Headphones connector (stereo mini-jack) |
| ₽→△→€ | | Function selector (programme/volume/input) |
| | | Function adjustment keys |

| В | B TV set rear panel | |
|-------------|---------------------|---|
| | Indication | Description |
| | G•2/G- | Connector 2, Euro AV (SCART, 21-pin). S-video in/video in/TV/video out signals. |
| | ⊘ -1 | Connector 1, Euro AV (SCART, 21-pin). RGB in/video in/TV/out signals. |
| | | Audio output connectors (RCA pin) |
| | ٦٢ | Antenna connector (of IEC standard) |

| С | Remote control unit simplified side | | |
|---|-------------------------------------|---|--|
| | Indication | Description | |
| | Ð | Input selector | |
| | ூ | Teletext service key | |
| | | FASTEXT operation buttons | |
| | 0 | TV set power switch and TV mode selector | |
| | ტ | Standby key | |
| | 1,2,3,4,5, 6,7,8,9,0 | Number keys | |
| | .1 | Channel selection key/ 2-figure programmes | |
| | △ +/- | Volume adjustment key | |
| | PROGR + /- | Programme selection key | |

| D | Remote contro | l unit — complete side |
|-----|-------------------------|---|
| | Indication | Description |
| | ι\$Κ | Sound muting key |
| | ტ | Standby key |
| | 1,2,3,4,5, 6,7,8,9,0 | Number keys |
| | 0 | Input selector |
| | 0 | TV set power switch and TV mode selector |
| | O | Output selector |
| | € | Teletext key |
| | n | Music programme key |
| | A/B | Bilingual programmes language selection |
| | -/ | Channel selection key/ 2-figure programmes |
| | С | Channel direct selection key |
| | €9 | Special sound effect key |
| | Ø | Time display |
| | 000000 00000 | Teletext operation keys |
| | | FASTEXT operation buttons |
| | Œ | Display key |
| | →• ← | Reset key |
| | ⊿ +/- | Volume adjustment keys |
| | PROGR +/- | Programme selection keys |
| | 0000 tis | Image and audio adjustment keys |
| VID | EO 1/2, MDP | Video unit selector |
| | 44≻≻≻ ■ II ● | Video units function key |
| | C ₀₀ | Programme cancelling key |
| | - \$ | Channel presetting key |
| | - (1) + | Channel tuning keys |
| | ♦ | Channel storing keys |
| | O | Broadcasting stations Identification key |

This section briefly describes controls of the TV set and the remote control unit, and thier relevant functions. For further details see the page shown on the right side of each description.

| Α | TV set front pa | nel |
|---|-----------------|--|
| | Indication | Description |
| | Φ | Power switch |
| | ψ | Stand-by switch |
| | АВ | Bilingual function indications |
| | Ω | Headphones connector (stereo mini-jack) |
| | P-⊿-€ | Function selector (programme/volume/input) |
| | - e + | Function adjustment keys |

| В | TV set rear p | anel |
|---|---------------|---|
| | Indication | Description |
| | G+2/G- | Connector 2, Euro AV (SCART, 21-pin). S-video in/video in/TV/video out signals. |
| | Ö - | Connector 1, Euro AV (SCART, 21-pin). RGB in/video In/TV/out signals. |
| | G+ | Audio output connectors (RCA pin) |
| | 7 | Antenna connector (of IEC standard) |

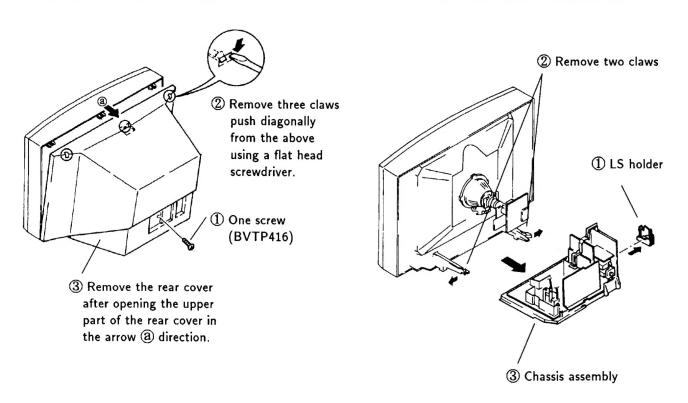
| С | Remote contro | unit — simplified side |
|-----|-------------------|---|
| | Indication | Description |
| | Ð | Input selector |
| | ₩ | Teletext service key |
| | 0 | TV set power switch and TV mode selector |
| | ტ | Standby key |
| 1,2 | 2,3,4,5,6,7,8,9,0 | Number keys |
| | -1 | Channel selection key/ 2-figure programmes |
| | △ +/- | Volume adjustment key |
| | PROGR + /- | Programme selection key |

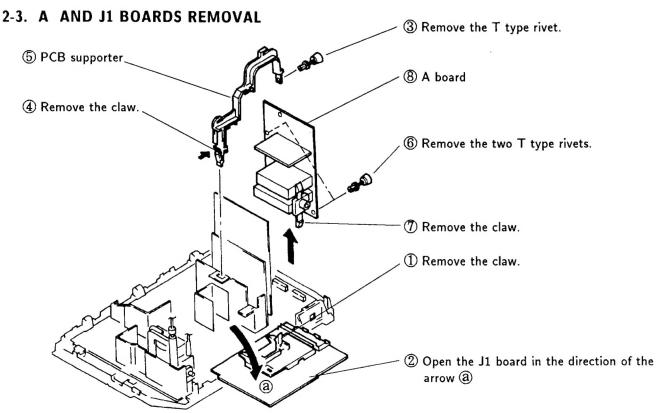
| D | Remote contro | d unit complete side |
|-----|----------------------------|---|
| | Indication | Description |
| | #3≮ | Sound muting key |
| | Ó | Standby key |
| 1,2 | 2,3,4,5,6,7,8,9,0 | Number keys |
| | Ð | Input selector |
| | 0 | TV set power switch and TV mode selector |
| | Ð | Output selector |
| | € | Teletext key |
| | n | Music programme key |
| | A/B | Bilingual programmes language selection |
| | -/ | Channel selection key/ 2-figure programmes |
| | С | Channel direct selection key |
| | € | Special sound effect key |
| | <u> </u> | Time display |
| | 7808 9088 | Teletext operation keys |
| | • | Display key |
| | →• ← | Reset key |
| | ∠ +/- | Volume adjustment keys |
| F | PROGR + /- | Programme selection keys |
| | () \$ () b±±1 △() \$ +- | Image and audio adjustment keys |
| | МЕМ | MEM light indication |
| | USE/MEM | Normal/programme mode selector |
| VID | EO 1/2, MDP | Video unit selector |
| | 44>>> # II • | Video units function key |
| | C∞o | Programme cancelling key |
| | -\$ | Channel presetting key |
| | + 🕕 – | Channel tuning keys |
| | ♦ | Channel storing keys |
| | 0 | Broadcasting stations Identification key |
| | RESET | Cancel key |

SECTION 2 DISASSEMBLY

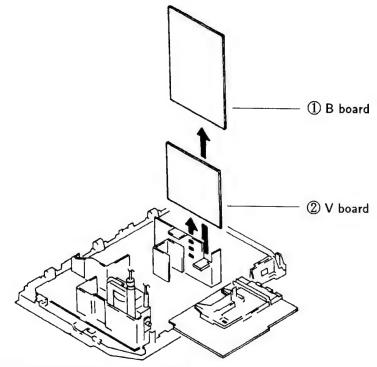
2-1. REAR COVER REMOVAL

2-2. CHASSIS ASSEMBLY REMOVAL





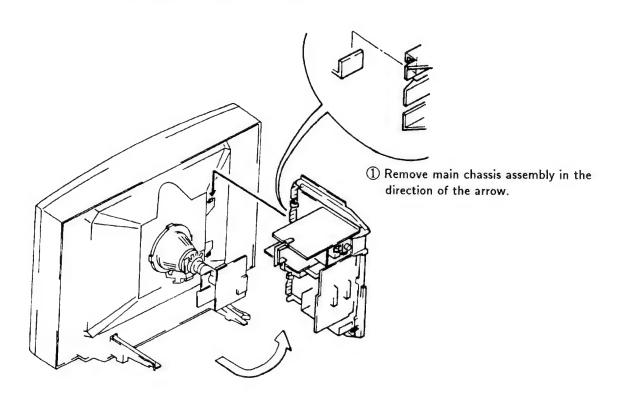
2-4. B AND V BOARDS REMOVAL

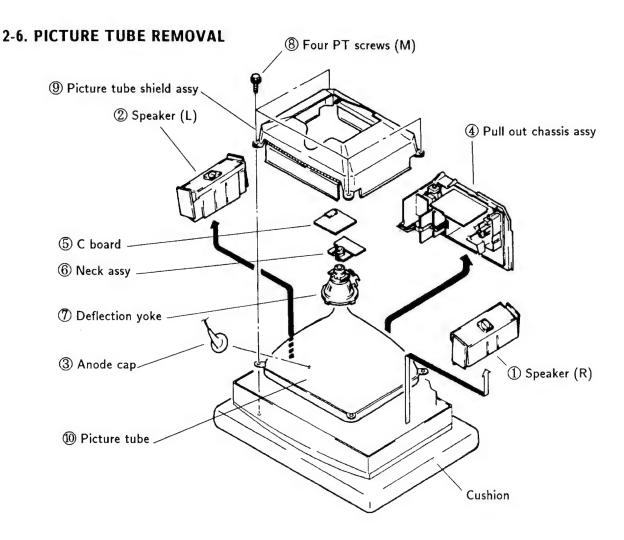


Note: 10 pin extension cable (S-0945-001-0)

2-5. SERVICE POSITION

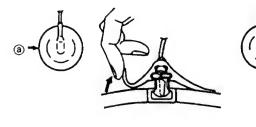
* Remove the connector bracket from the main chassis assembly and then perform the following servicing.
(Refer to 2-2. CHASSIS ASSEMBLY REMOVAL.)

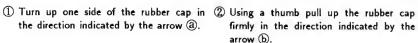


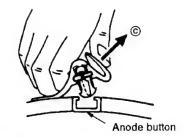


• REMOVAL OF ANODE-CAP

REMOVING PROCEDURES



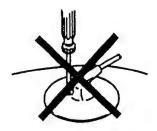


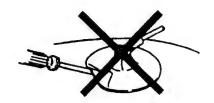


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 - A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:

Contrast ·····80%

(or remote control normal)

Brightness ······50%

- Carry out the following adjustments in this order:
 - 1. Beam landing
 - 2. Convergence
 - 3. **Focus**
 - 4. White balance

Note: Testing equipment required

- Color bar/pattern generator
- Degausser
- DC power supply
- 4. Digital multimeter
- Oscilloscope

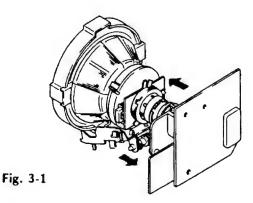
Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- Input the white signal with the pattern generator. Contrast normal **Bightness**
- Position neck ass'y as shown in Fig 3-2.
- Set the pattern generator raster signal to red.
- Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Figures 3-1 through 3-3.)

- Move the deflection yoke forward and adjust so that entire screen is red. (See Figure 3-1.)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- If the beam does not land correctly in all the corners; use a magnet to adjust it. (See Figure 3-4.)



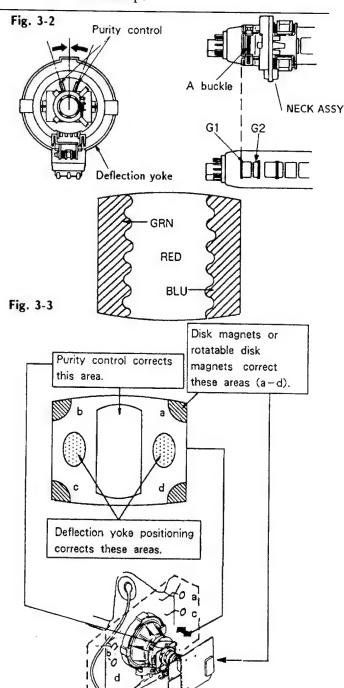


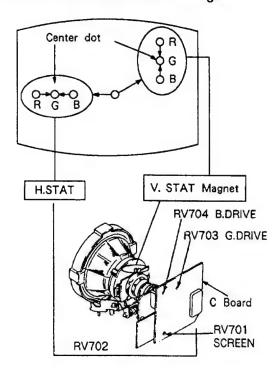
Fig. 3-4

3-2. CONVERGENCE

Preparations:

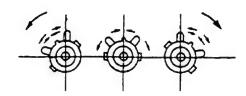
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

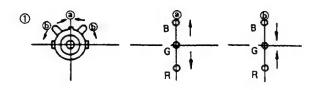


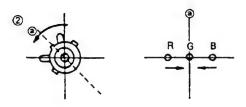
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

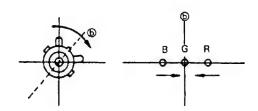
 Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

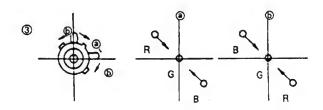


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

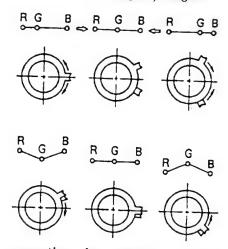






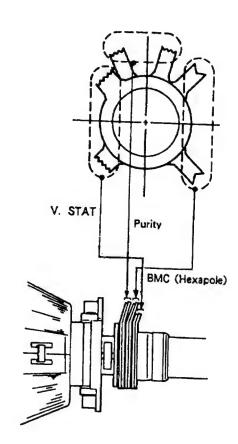


Operation of BMC (Hexapole) Magnet



 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
 Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of

and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

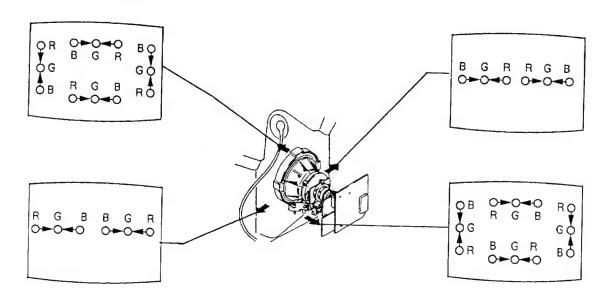


(2) Dynamic convergence adjustment Preparations :

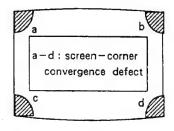
Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.

- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the defelection yoke spacer.

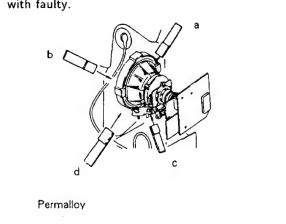


(3) Screen corner convergence



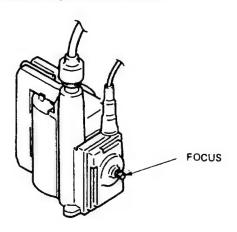


Install the permalloy assembly for the section with faulty.



3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

[Screen G2 setting]

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 170V DC to the R, G, and B cathodes with an external power supply.
- 4. While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

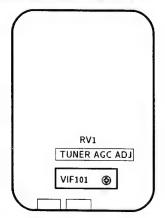
[White balance adjustment]

- 1. Input an all-white signal from the pattern generator.
- 2. Set the picture brightness and color controls to their normal levels.
- 3. Use the RV704 (B Drive) and RV703 (G Drive) to adjust white balance.

In the adjustments below, have the picture color and brightness settings at their normal levels unless there is a specific instruction to the contrary.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. A BOARD ADJUSTMENTS

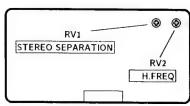


A BOARD (COMPONENT SIDE)

TUNER AGC ADJUSTMENT (VIF101, RV1)

- 1. Align with an appropriate signal between stations.
- 2. Adjust RV1 so that snow noise and cross modulation just disappear from the picture.

IFG5.5S SIF



IFG5.5S SIF -component side-

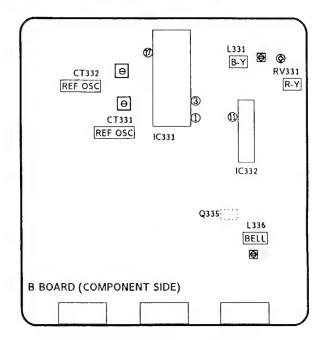
STEREO SEPALATION ADJUSTMENT (RV1)

- 1. Input stereo signals. (L-CH 400Hz, R-CH 1KHz)
- 2. Check the stereo indicator.
- 3. Connect on oscilloscope to pin® (CH1) of CN1 through band pass filter of 1KHz
- 4. Adjust RV1 so that 1KHz voltage goes down to the minmum.

H FREQ (RV2)

- 1. Input a PAL COLOR BAR signal, then connect a jumper between pin IC4 and GND.
- Connect a frequency counter to pin (4) IFG5.5S
 (HP) of CN1 through a probe of 10:1.
- 3. Adjust RV2 (H.FREQ) 15.625 ± 50 Hz.
- 4. After adjustment, remove the jamper.

4-2. B BOARD ADJUSTMENTS



REFERENCE OSCILLATOR ADJUSTMENT (CT332 8.8MHz)

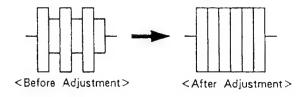
- 1. Input a PAL color bar signal.
- 2. Ground pin To of the IC331.
- 3. Adjust CT332 to obtain synchronization.

REFERENCE OSCILLATOR ADJUSTMENT (CT331 7.16MHz)

- 1. Input an NTSC3.58 color bar signal.
- 2. Ground pin T of IC331.
- 3. Adjust the CT331 to obtain synchronization.
- 4. Remove the jumper grounding pin ① of IC331.

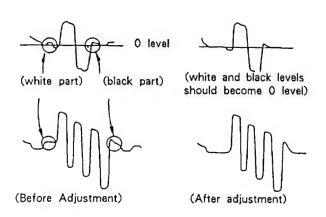
BELL FILTER ADJUSTMENT (L336)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to the emitter of Q335.
- 3. Adjust L336 so that the waveform is flat.

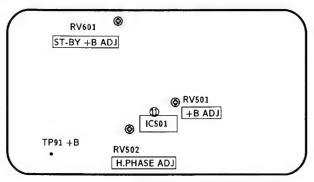


DISCRIMINATION ADJUSTMENTS (RV331 and L331)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to pin ① of IC331.
- Adjust RV331 until the white and black sections
 of the waveform at pin ① are at the 0 level.
 Connect the oscilloscope to pin ③ of IC331.
- 4. Adjust L331 until the white and black sections of
- 5. the waveform at pin 3 are at the 0 level.



4-3. D BOARD ADJUSTMENTS



D BOARD (COMPONENT SIDE)

+B ADJUSTMENT (RV501)

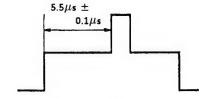
- 1. Connect the digital multimeter to TP91.
- 2. Adjust RV501 to obtain 135 ± 0.2 V.

ST-BY +B ADJUSTMENT (RV601)

- 1. Put the system into \circlearrowleft standby mode (remote commander).
- 2. Connect the digital multimeter to TP91.
- 3. Adjust RV601 to obtain $135 \pm 3V$.
- 4. Take the system out of \circlearrowleft standby mode (remote commander).

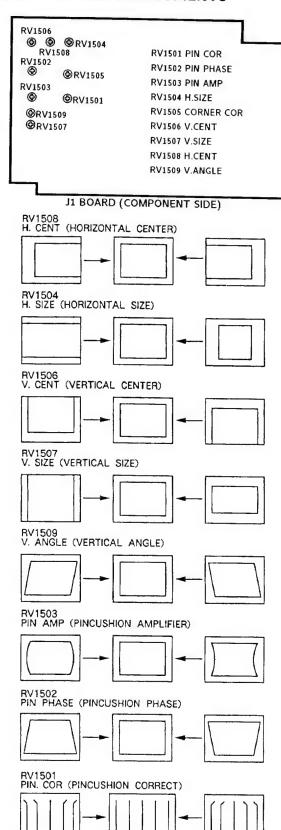
H.PHASE ADJUSTMENT (RV502)

- 1. Input a PAL color bar signal.
- 2. Set the picture and brightness controls to their normal levels.
- 3. Set RV1508 (H.CENT) to its mechanical center.
- 4. Connect the oscilloscope to pin (I) (SCP) of IC 501.
- 5. Rotate RV502 to adjust to $5.5\mu s \pm 0.1\mu s$.



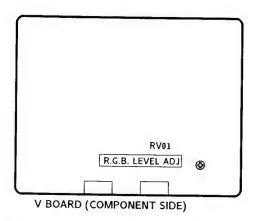
Standard of H. PHASE

4-4. J1 BOARD ADJUSTMENTS



RV1505 CORNER. COR (CORNER CORRECT)

4-5. V BOARD ADJUSTMENT



RGB LEVEL ADJUSTMENT (RV01)

- Maximize the picture setting.
- 2. Adjust RV01 so that the RGB output is 0.75V.

4-6. SECONDARY ADJUSTMENTS

SUB BRIGHTNESS ADJUSTMENT

- 1. Set the system to receive a test pattern.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Switch off the power.
- 4. While depressing the adjusting buttons + and
 simultaneusly, turn on the power. (SUB mode is obtained)
- 5. Minimize the O contrast setting.
- 6. Adjust the \$\footnote{\pi}\$ brightness control so that the gray scale 0 IRE section is cut off completely and the 20 IRE section is barely glowing.
- 7. Depress the \diamondsuit (store) button of the remote commander.

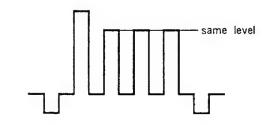
(SUB mode is released)

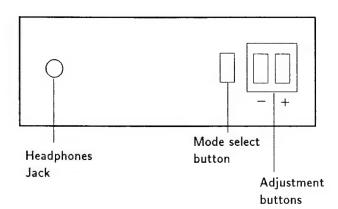
If there is no test color pattern

- 1. Set the system to receive a color pattern.
- Press → ← on the remote commander to put the system into normal mode.
 Set the ② color to its normal state.
- 3-5. Steps are the same as above.
- 6. Since 20 IRE is nearly blue, adjust the ☆ brightness control so that the blue barely glows.
- 7. Same as step 7 above.
- Press → ← on the remote commander to put the system into normal mode.

SUB COLOR ADJUSTMENT

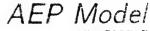
- 1. Set the system to receive color bars.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Cut off the power.
- 4. While depressing the adjustment buttons + and simultaneusly, turn on the power. (SUB mode is obtained).
- 5. Adjust the color control so that the B out waveform (pin ⑤ of C board connector CNC72) is as shown in the figure below.
- 6. Depress the \diamondsuit (store) button of the remote commander. (SUB mode is released)





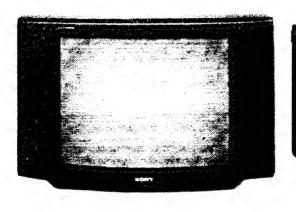
KV-G2551D/G295 RM-816

SERVICE MANUAL



KV-C2551D Chassis No. SCC-E18G-A

KV-C2951D Chassis No. SCC-E18F-A



AE-1C CHASSIS

| MODELS | OF TH | E SAME | SERIES | |
|-------------|-------|--------|--------|--|
| KV-C2551D/C | 2951D | | | |
| KV-A2111D/A | 2511D | | | |
| KV-E2521D/E | 2921D | | | |

SPECIFICATIONS

[KV-C2551D/C2951D]

Television system

Color system

Stereo system

Channel coverage

Picture tube

inputs

B/G/H

PAL, SECAM, NTSC3.58, NTSC4.43

GERMAN stereo

VHF: E2-E12 UHF: E21-E69

CABLE TV (1): S1-S41

CABLE TV (2): S01-S05, M1-M10, U1-U10

Black Trinitron tube

Approx. 63.5 cm (25 inches)

(Approx. 59 cm picture measured diagonally)

110 c -degree deflection Approx. 72.4 cm (29 inches)

(Approx. 68 cm picture measured diagonally)

110 ° -degree deflection

- 1 21-pin connector:

CENELEC standard including RGB input.

2 21-pin connector: including S video input

Flont: 3 Audio and video input jacks:

phono jack.

Including S Video input Y: 1Vp-p ± 3dB 75ohm C: 0.3Vp-p ± 3dB 75ohm Outputs

Sound output

Power consumption

Weight incl.speakers

Dimensions incl.speakers

(KV-C2551D)

Approx. $769 \times 495 \times 478 \text{ mm } (w/h/d)$ Approx. $854 \times 555 \times 510$ mm (w/h/d)

30 W + 30 W

95Wh (KV-C2551D)

105Wh (KV-C2951D)

(KV-C2951D)

21-pin connector: CENELEC standard

External speaker terminals: 2-pin DIN Audio output jacks: phono jack (output

Headphones jack: stereo minijack

dependent upon TV settings)

Approx. 38kg (KV-C2551D) Approx. 52kg (KV-C2951D)

-Continued on next page-



TRINITRON®COLOR TY SONY

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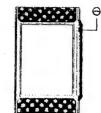
SAFETY RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS. EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

GENERAL

Turning the TV unit ON and OFF

After you have completed the basic preparation your TV is ready to be connected to the mains power supply (220,240V-, 50Hz).



| ng the TV unit ON Press ⊕ on the TV. ⊕ | | Result | The TV will turn on. Note: If the screen remains blank, the TV may be in the standby mode. Press CJ to switch it on. |
|---|------------------------|--------|--|
| | Turning the TV unit ON | Action | |

| Turning the TV unit OFF | |
|------------------------------------|--|
| A Temporarily | |
| Press & to enter the standby mode. | The TV will be in the standby mode. To return to the TV mode press C. |
| B Completely | and the same and the same and the same are same and the same and the same are same and the same and the same a |
| Press @ on the TV set. | The TV will be turned off |
| | |

TV charnels automatic presetting

stations broadcasting within the user's country can be received and recorded as a

For channel settings there are 60 positions available in the memory, in this way all

number is the number that the user decides to associate with a certain channel

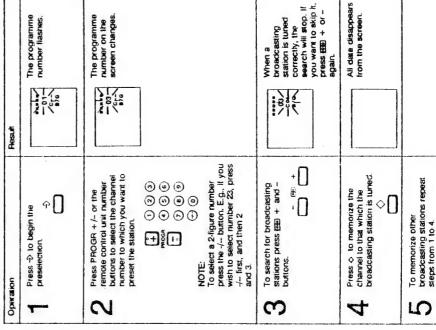
TV broadcasting stations broadcast their programmes on certain fixed frequencies (channels). In order to receive these programmes it is necessary to search for the relevant broadcasting station and to set record it as a channel. The "programme

After installing the TV set, TV channels must be presen

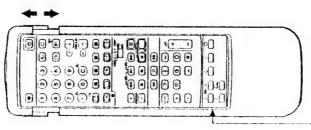
TV channel presetting

If you are unfamiliar with the transmission frequency of the channels you wish to preset, refer to the section "TV channels automatic presetting". However, if you want to tune them using the frequency of each channel, go to the section "Direct TV

To select a button on the "complete" side, take but the remote control unit from its case to reveal the preset buttons, as shown in the illustration.



Note: These buttons should be used in preset mode only.



| Operation | T | 4+ | က | 4 | 5 |
|-----------|--|---|---|--|--|
| lion | Press -\$ to begin the presenting\$ | Press PROGR + /- or the number buttons on the remote control unit to select the channel number to which you want to preset the station. The select a 2-figure number of | √- first, and then 2 and 3. Press C. If you wish to select a cable station, press C twice. | By using the number buttons of the remote control unit select the channel number, always with two figures (for "4" press "04"). | Press to memorize the charmel to which the station is tuned. |
| Result | 100 100 100 100 100 100 100 100 100 100 | | | Note: In case of letter appears of once more the contract in t | |
| | The programme number begins to flash on the screen. | The programme number on the screen changes. | Indication "C-" ("S-" for cable stations) flashes on the screen | Note: In case of mistake, the "X" letter appears on the screen. After appears on the screen Repeat once more the operation of step 4. | All indications described the screen. |

All indications disappear from the screen, except the programme number. All indications remaining on the screen have been memorized. In this way the first character has been set, and the following position now flashes on the screen. The programme number to be set for identification appears on the screen. Alphabetic letters, numbers or a blank space ("-") appear on the screen, in that order. "C" ("S" for cable stations) indication appears on the screen. By associating a name with a certain broadcasting station it is possible to avoid having to remember, each time, in which channel number that particular station has been memorized. Five different characters are available for station identification. The channel will be received, but it will not be set as a programme number. The number flashes on the screen. The first indication line flashes on the screen. is possible to temporarily memorize a channel, even if it has not been presert. Repeat steps 4 and 5, and fill all five available spaces. 85° 90 95% \$55 3-80 Result Result Using the number keys of the remote control unit select the channels number, aways with two figures (e.g., "Os" for channel "4"). Broadcasting station identification 000 0000 0000 Press C. Press C twice for a cable station. 0 0 \Diamond Temporary channel tuning φ[] \oplus By using PROGR + or -, or the number keys of + or - cornto the remote remote remote remote round unit, select the rounder to be set for identification. Press the + or -buttons to select a letter of the aiphabet, a rumber, or a blank space. Press O Press & Press -Press C Operation Operation 2 4 S 3 5 T

ŧ

Basic functions

Using the PROGR + /- buttons you can skip unused programme numbers. However, the skipped numbers may still be called up using the number buttons.

Skipping channels

To open, press the arrow 1.

600000S)

| Operation | Hion | Result | |
|-----------|--|--|---|
| - | Press & to begin presetting. | \$120 \$886 \$1\ | The programme number begins to fash on the screen. |
| 0 | By using the PROGR + and – buttons, or the number keys of the remote control unit, select the programme number you wish to skip. | B: 1 | The programme number changes. |
| 3 | Press Coo. Coo | U Constitution of the Cons | Under the programme programme to incompart the lowest channel number appears. |
| 4 | Press • . | Produce of the control of the contro | All indications under the programme number forgramme number disappear from the screen. The skipped programme number programme number will be memorized. |

Press A + or -. © © © 0 0 0 0 0 0 0 0 0 0 0 0 0 1

indication appears on the screen,

A IIIIIII

(I)(H)

The volume

Manual fine tuning

If the picture is not perfect, it is possible to fine tune it manually.

| Operation | Result |
|--|---|
| Press (EEE) + or - repeatedly until the picture is at the optimum. | The indication F appears on the screen. |
| Press -한 to start preselection. | The programme number starts flashing on the screen. |
| Press O. | Manual fine tuning has been memorized. |

Note: Manual line tuning will be reset when the channel is selected again.

The selected programme number appears on the screen. This section introduces you to the basic control functions which are available on the "simple" side of the remote control unit. Before selecting programmes make sure that TV channels have been memorizad. **Hessult** (D)(I) Press PROGR + /- buttons or the 000 0000 0000 Programme selection button. E.g., if you wish to select number 23, press -/-- first, and then 2 and 3. number keys of the remote control und. To select a 2-figure number press -/--Volume control Operation Operation + 1 1 ± 2000000

G-7-5

It is also possible to select programmes and to adjust the volume by using $P_1 - \Delta - \bigoplus$ and + ** + or - buttons, located on the front panel of the TV set. In this case, press first $P_1 - \Delta - \bigoplus$ until the indication P (channel) or Δ (volume) appears on the screen, and then press - ** + + or - buttons. Use of other functions with the TV set buttons Use of additional functions

Use of teletext service

Press @. To return to the TV mode, press Q. For further information on the teletext service see page 12.

Selection of the video input Press ©. To return to the TV mode, press ©. For further details, refer to page 16.

, , , , , , , , , , , ,

Special functions

This section explains the use of functions for adjusting pictures and sound. Use the "complete" side of the remote control unit.



The following functions can be used. Use of special functions Function

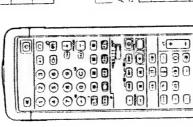
indication display Sound muting

Press @ again Press & again.

Record

Operation Press @ Press 4





Picture and sound adjustment

| Languaga salection for bilingual programmes. | Press A/B. The selected language is displayed by the relevant indication on the screen. | Press A/B. |
|---|---|------------------|
| Sound adjustment for music programmes. | Press A | Press 4 again. |
| Use of special sound effects. | Press 😂 | Press 😝 again. |
| Time display (only during jeletext broadcasting). | Press @ | Press (3) again. |

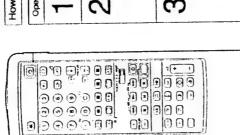
| To Adjust: Press: Then: Result: (+) | | More Less | More Less | Bright → Dark | Reddish - Greenish | More Less | | More Less | More Less | Left Right |
|-------------------------------------|----------|------------------|-----------|---------------|---------------------|-----------|--------|-----------|-----------|------------|
| Then: | | | Œ |] | J | | | = |] | |
| Press: | | 9 | • | 0 | , pg | Θ | | 6 | - | Z |
| To Adjust: | Picture: | Colour intensity | Contrast | Brightness | Hue (for NTSC only) | Sharpness | Sound: | Bass | Trebie | Balance |

To reser the picture and sound to factory set levels, press ->-4-.

On the set: Press the +++ and +/- buttons simultaneously.

Use of the teletext service

Through the teletext service a great deal of information can be received at any time. Broadcasting stations make this service available through TV broadcasts. To use the teletext service, use the green keys on the "complete" side of the remote control unit. When the "simple" side of the remote control unit is used, only the basic functions are available.



| Operation | Select the channel you want to The channel changes on the screen. | Press @ | Use the number keys of the remote control unit to insert the three figures corresponding to the desired begins and the repeat the operation with the correct numbers. | To return to normal TV programmes: Press C. | To chance teletext channel: |
|-----------|---|---------|---|--|-----------------------------|
| Operation | Sel | N | 2644844 | J. S. | To change teletext channel: |

Note: A weak TV signal may cause trouble in the use of teletext.

| Required function | Operation | Result (on the sore |
|--|--------------------------------------|---------------------|
| Page index required. | Press a (iNDEX). | NEWS EN |
| Sub-pages required (page 888). | Press C . | |
| Access to previous or following pages. | Press ea (PAGE +) or ea (PAGE -). | P201 |

The preceding or the following page appears.

The sub-page appears (page 688).

Page index appears.

| Required function | Operation | Result (on the screen) |
|---|---|---|
| Supermposition of the telefext on the TV programme. | In the TV mode, press @ twice. To return to the normal feletext function press @ again. | Identect information will sphere appear appear appear appear appear appear appear appear appear information will programme. |
| To prevent page changes due to page updating. | Press ep (STILL), Press ep (TXT/MIX) to return to the normal tunction. | The a (STILL) symbol appears on the screen. |
| Magnification of teletext characters. | Press 69 once to magnify the upper half of the screen. Press twice to magnify the lower half of the screen. By pressing the button three times the normal vision is restored. | The upper or the laber half of the page is magnified. |
| Display of hidden information (answers to quizzes, etc.). | Press & (RIV). Press again to hide the answers. | The information is displayed. |
| Watching a programme while | 1. Ask again for the page. | The number is displayed. |
| the telegrax searches for the required page. | 2 Press @ | TV programme is displayed. |
| | When the required page has been found, the page number will be displayed. | 1201 |
| | 4. Press @ to display the page. | The desired page will be displayed. |
| Display of a page at a preset time. | 1. Request the page. | The selected page will be displayed. |
| | 2 Press @ (MEM.T). | In the lower part of the screen the indication "T***" appears. |
| | 3. Set the required time by using the number keys, and by inputting four figures (e.g. 0730 for "7:30"). | The required time is displayed on the screen. |
| | To watch TV programmes until a preset time process as (CANC). At the required time, the selected page appears in the upper part of the screen. Press ® to display the page. | sset time ma. the selected page appears in ® to display the page. |

Note: Depending on the telefext service, certain functions may not be available

To cancel the request Display the teletext page and then press en (CANC.M.).

Use of the FASTEXT function

The FASTEXT function allows rapid access, at the touch of a single button, to the teletest functions. In the lower part of the screen, a colour coded index will be displayed when a FASTEXT feletest page is broadcasted. Each colour corresponds to the colored keys on the remote control unit.

Operation

| Result | the The selected teletext page appears on the screen. |
|-----------|---|
| Operation | Press one of the coloured keys on the remote control unit corresponding to the coloured indications of the FASTEXT teletent page. |

Note:
The correct use of the FASTEXT function depends on the signal being broadcast by the TV stations. Some TV stations may not broadcast FASTEXT teletext signal.

Connections and optional functions

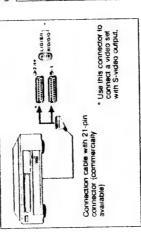
This TV set may be connected to other audiolyideo machines, such as videocameras, VTRs, videocasc players, or stereo systems.

Connection to an external audio/video system

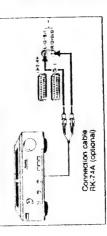
This TV set incorporates three groups of connectors, for input and output to the TV signal. Each group has the following characteristics.

| Connector | Input signal | Output skynal |
|--------------------|----------------------------------|--------------------------------------|
| 9-1 | Normal audio/video signal or RGB | TV tuner audiovideo signal |
| | signai | |
| Q-2@ | Normal audio/video signal and | Audio/video signal from a selectable |
| | S-video signal | Source |
| A F. A front panet | Normal audio/video signel end | No signet |
| | S-video signet | |

Connection of a TV set



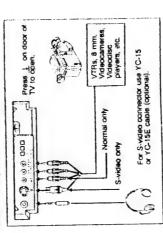
Connection of an audio unit



Connection to a computer with RGB output



Temporary connection of victor apparatus. For a temporary connection (e.g. of a videocamera) use the front panel terminals.



Comection of a videotape recorder through the T

connector Connect the antenna input (AEPIAL-IN) of the TV set to the antenna output (AEPIAL-OUT) of the videotape recorder.

S-video input (Y/C input)

The video signal is formed by two separate signals; the tuminance (Y) and the chrominance (C). Through the separation of the two signals it is possible to improve picture quality (furninance in particular). leatures two S-video sockers able to directly receive preventing reciprocal interference. This TV set this type of signal.

Pictures with distortion Move the TV set away from the videotape recorder if pictures or sound become distorted.

Connections and optional functions

Video programme playback

Using the input selector, pictures coming from a videotape recorder connected to the TV sets input may be played back.

| _ | Operation | MESUR | |
|---|--|--------------|---|
| | Select the desired video input by pressing © repeatedly. | . | The symbol of the selected input appears on the screen (see table below). |
| | | | |

Selectable imputs

Press C button to return to TV mode.

| Symbol | Selected input |
|---|---|
| 91 | Audic/video signal from 3-1 connector. |
| ρ | RGB signal from ®-1 connector. |
| 95 | Audio/video signal from G+2/69- connector, |
| -92 | S-video signal (from a VTR with S-video output) from G+ 2/G+ connector. |
| e o | Audio/vicieo signal from . D D. Connector located on the front panel. |
| -63 | S-video signal from S-video -63 (4 pin) connector located on the front panel. |
| Input can be selected also will in this case, first select E, at input. | Input can be selected also with the p-21-© buttons of the TV set. In this case, first select ©, and then press the +/- buttons to select the desired input. |

Selection of video output

The G-2/E3- connector may output 4 video signals. Select the outgoing video signal in the following way.

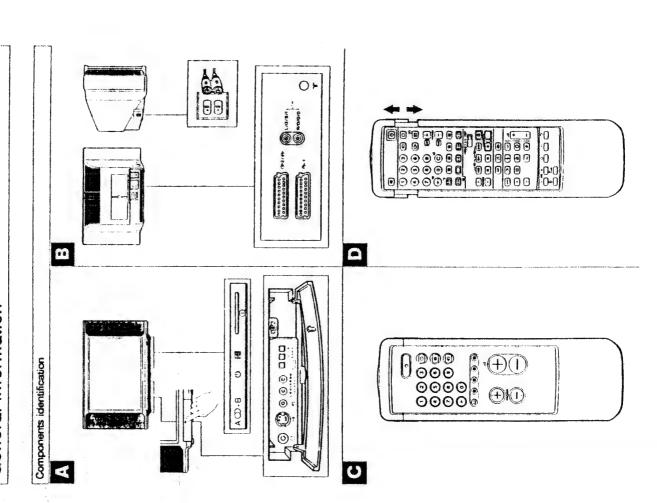
Operation

| | The selected video output symbol appears on the screen (see the table following). | |
|-----------|---|--|
| Resur | Ģ | |
| Operation | Press G- repeatedly to select the desired video output. | |

Output signal

| Symbol | Selected output |
|----------------|--|
| φ | Audio/video signal from &-1 connector. |
| 2Ф | Audio/video signal from G-2/G- connector. |
| δ _ε | Audio/video signal from El and El connectors. |
| ₩ | Audio/video signal from T-type antenna connector Tr. |

General information



General information

This section briefly describes controls of the TV set and the remote control unit, and their relevant functions.

| TV set front panel | Sanet | D Remote control unit | O lind - complete side |
|-------------------------|--|--|--|
| Indication | Description | Indication | |
| θ | Power switch | | Sound method ha |
| Ð | Standby switch | Đ | Standby key |
| A-@-8 | Bilingual function indications | 1,2,3,4,5, | Number keys |
| c: | Headphones connector | Ф | Input selector |
| 000 | (uput connectors | 0 | TV set power switch and TV mode selector |
| 4 | (3-washingsolation) | đ | Output selector |
| | (programme/volume/input) | æ | Teletent key |
| +: | Function adjustment keys | 17 | Music programme key |
| | | A/B | Bilingual programmas |
| TV set rear panel | anel | ** | Channel selection key/ |
| Indication | Description | | 2-figure programmes |
| A 1 | Speaker connectors (upper left speaker lower | O | Channel direct selection key, |
| 2 | right speaker) | € | Special sound effect key |
| 400 | Connector 2, Euro AV | 6 | Time display |
|) | in/video in/TV/video out | 90000 90000 90000 | Teletaxt operation keys |
| | Connector 1, Euro AV | | FASTEXT operation buttons |
| ē | (SCART, 21-pin). RGB in/video in/TV/out signals. | 0 | Display key |
| ġ | Audio output connectors | † | Reset key |
| | (RCA pin) | 4 | Volume adjustment keys |
| == | (of IEC standard) | PROGR + /- | Programme selection keys |
| Remote control unit | of unit — simplified side | 00000000000000000000000000000000000000 | image and audio |
| Indication | | VIDEO 1,2/3, MDP | Video unit selector |
| | Input selector | 4447 | Video units function key |
| 1 | Teletext service key | | |
| | FASTEXT operation buttons | 900 | riogramme canceming key |
| О | TV set power switch and TV mode selector | + | Channel tuning keys |
| Ð | Standby key | \$ | Channel storing keys |
| 1,2,3,4,5, 6,7,8,9,0 | Number keys | O | Broadcasting stations identification key |
| | Channel selection key/ 2-figure programmes | | |
| 4+ | Volume adjustment key | | |
| PROGR + /- | Programme selection key | | |
| | | | |

This section briefly describes controls of the TV set and the remote control unit, and thier relevant functions. For further details see the page shown on the right side of each description.

| A TV set front panel | anel | | |
|--|--|---|--|
| Indication | Description | | |
| Θ | Power switch | ! | |
| Ð | Stand-by switch | ! | |
| A-Q)-8 | Bilingual function indications | | |
| C: | Headphones connector (stereo mini-jack) | | |
| С - С | Input connectors (S-videg/video/audio) | | |
| 0-7-1 | Function selector (programme/volume/input) | | |
| + • | Function adjustment keys | | |

| | Description | Speaker connectors (upper: left speaker; lower: right speaker) | Connector 2, Euro AV (SCART, 21-pin). S-video in/Video out signals, | Connector 1, Euro AV (SCART, 21-pin). RGB in/video In/TV/out signals. | Audio output connectors (RCA pin) | Antenna connector (of IEC standard) |
|---------------------|-------------|--|---|---|--------------------------------------|--|
| B TV set rear panel | Indication | AV | (3) | (g) (E) | 0 | ¥ |

| | Description | Speaker connectors (upper: left speaker; lower: rignt speaker) | Connector 2, Euro AV (SCART, 21-pin). S-video in/video in/TV/video out signals, | Connector 1, Euro AV (SCART, 21-pin). RGB infvideo Inf/V/out signals. | Audio output connectors (RCA pin) | Antenna connector (of IEC standard) | |
|---------------------|-------------|--|--|---|--------------------------------------|--|--|
| B TV set rear panel | Indication | ads) | Connec (SCARI) in/vided signals. | Con (SC) | G- Audi | and Tr | |

| _ | | | | | | | | | | |
|---|--------------------------------------|-------------|----------------|----------------------|--|-------------|-------------|---|-----------------------|-------------------------|
| | Remote contro unit — simplified side | Description | Input selector | Telatext service key | TV set power switch and TV mode selector | Standby key | Mumber keys | Channel selection key/ 2-figure programmes | Volume adjustment key | Programme selection key |
| | C Remote contro | Indication | • | • | 0 | Ð | 0681351661 | | 4. | PROGR + /- |

Cancel key

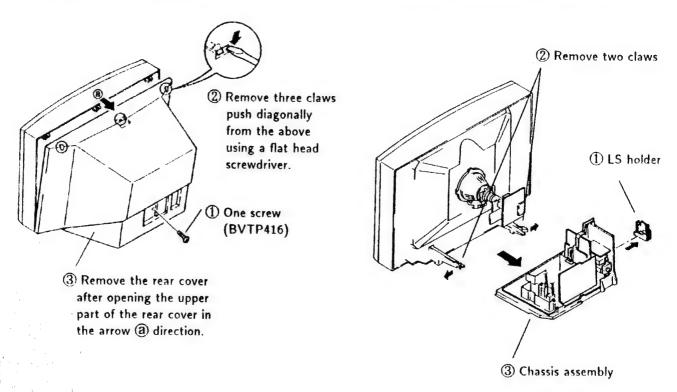
RESET

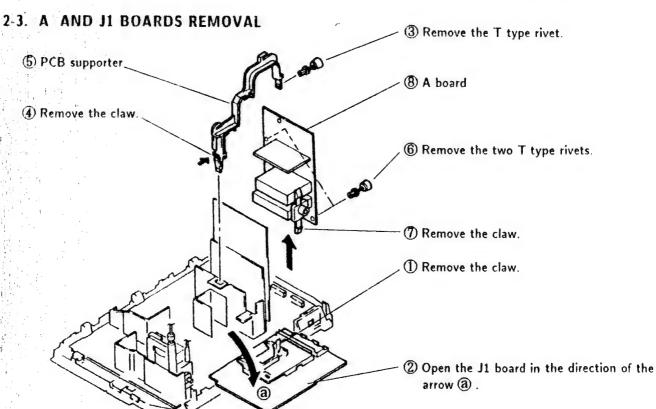
| unit — complete side | Description | Sound muling key | Standby key | Number keys | input salector | TV set power switch and TV mode selector | Output selector | Teletext key | Music programme key | Bilingual programmes language selection | Charmel selection key/ 2-figure programmes | Channel direct selection key | Special sound effect key | Time display | Teletext operation keys | Display key | Reset key | Volume adjustment keys | Programme selection keys | image and audio adjustment keys | MEM light indication | Normal/programme mode selector | Video unit selector | Video units function key | Programme cancelling key | Channel presetting key | Channel tuning keys | Channel storing keys | Broadcasting stations identification key |
|----------------------|-------------|------------------|-------------|---------------------|----------------|--|-----------------|--------------|---------------------|--|---|------------------------------|--------------------------|--------------|-------------------------|-------------|-----------|------------------------|--------------------------|------------------------------------|----------------------|--------------------------------|---------------------|---|--------------------------|------------------------|---------------------|----------------------|---|
| D Remote control t | Indication | 汝 | Ð | 1,2,3,4,5,6,7,8,9,0 | o | 0 | Φ | € | C, | A/B | /· | O | 8 | 0 | 9000 9009 | O | * | 7+1 | PROGR + /- | 0000 km | MEM | USE/MEM | VIDEO 1/2/3, MDP | 4.0 4.4 7.2 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 | 85 | ዯ | + | \Q | 0 |

SECTION 2 DISASSEMBLY

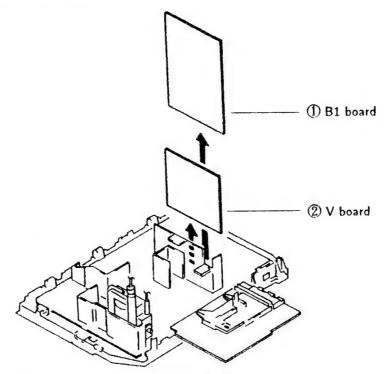
2-1. REAR COVER REMOVAL

2-2. CHASSIS ASSEMBLY REMOVAL





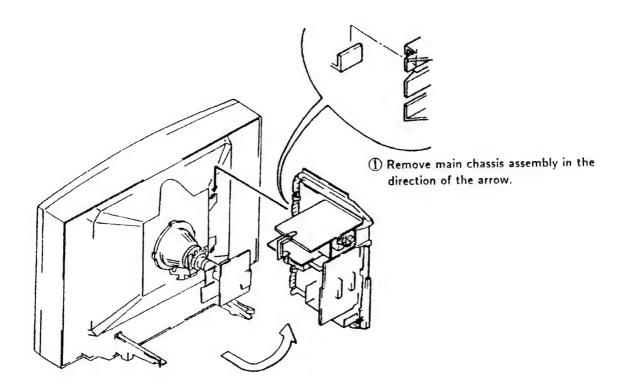
2-4. B1 AND V BOARDS REMOVAL

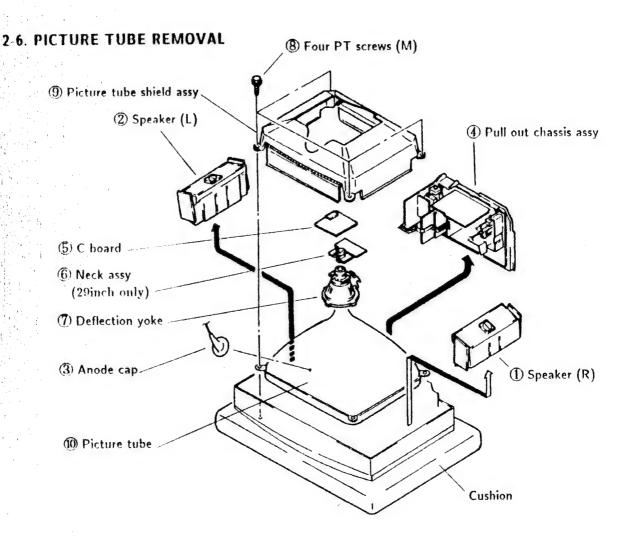


Note: 10 pin extension cable (S-0945-001-0)

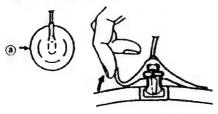
2-5. SERVICE POSITION

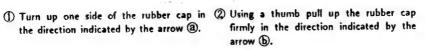
* Remove the connector bracket from the main chassis assembly and then perform the following servicing.
(Refer to 2-2. CHASSIS ASSEMBLY REMOVAL.)





REMOVAL OF ANODE-CAP REMOVING PROCEDURES





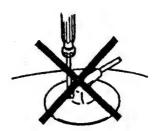
© Anode button

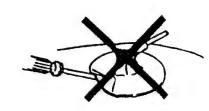
When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

· HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!

 A material fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECITON 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:
 - ① Contrast80%

(or remote control normal)

Brightness50%

- Carry out the following adjustments in this order:
 - 1. Beam landing
 - 2. Convergence
 - 3. Focus
 - 4. White balance

Note: Testing equipment required

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white signal with the pattern generator.

Contrast

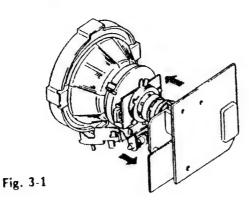
Bightness normal

- 2. Position neck ass'y as shown in Fig 3-2.
- Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.

(See Figures 3-1 through 3-3.)

- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Figure 3-1.)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.

 (See Figure 3-4.)



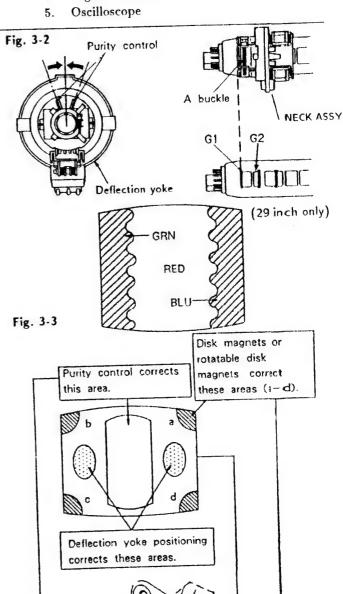


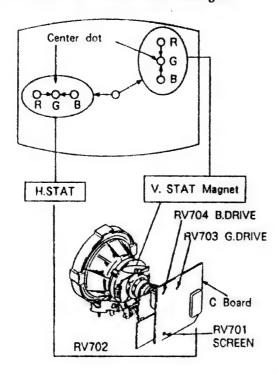
Fig. 3-4

3-2. CONVERGENCE

Preparations:

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

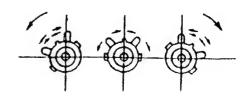
(1) Horizontal and vertical static convergence



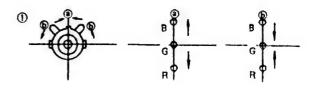
- (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.

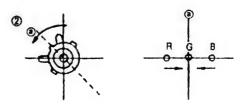
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

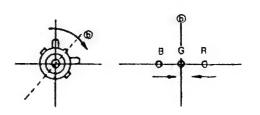
 Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

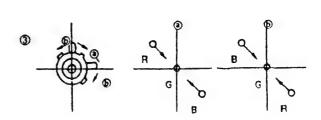


4. If the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the red, green, and blue points move as shown below.

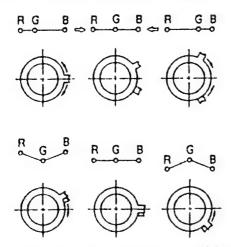




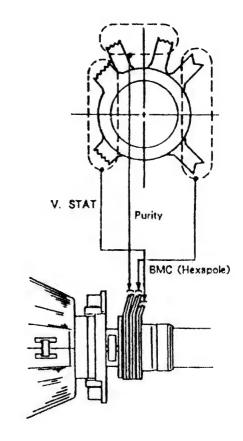




Operation of BMC (Hexapole) Magnet



• The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.
Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

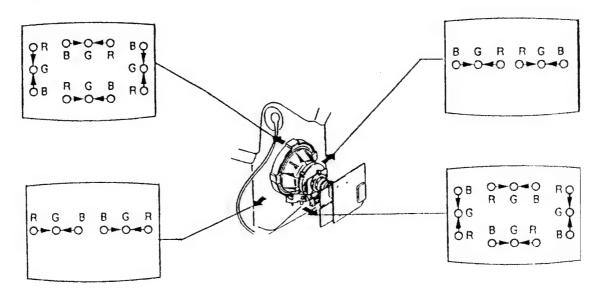


(2) Dynamic convergence adjustment Preparations:

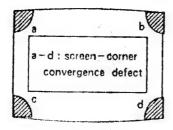
Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.

- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the defelection yoke spacer.

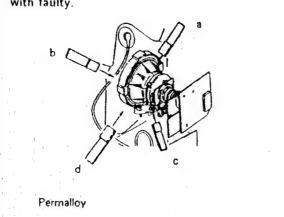


(3) Screen corner convergence



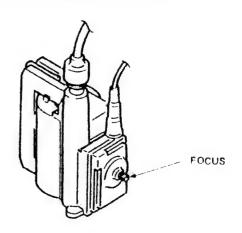


Install the permalloy assembly for the section with faulty.



3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

[Screen G2 setting]

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 170V DC to the R, G, and B cathodes with an external power supply.
- 4. While watching the picture, adjust G2 control RV701 (Screen) to the point just before the return lines disappear.

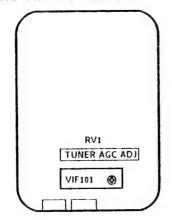
[White balance adjustment]

- 1. Input an all-white signal from the pattern generator.
- 2. Set the picture brightness and color controls to their normal levels.
- 3. Use the RV704 (B Drive) and RV703 (G Drive) to adjust white balance.

In the adjustments below, have the picture color and brightness settings at their normal levels unless there is a specific instruction to the contrary.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. A BOARD ADJUSTMENTS

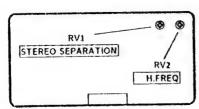


A BOARD (COMPONENT SIDE)

TUNER AGC ADJUSTMENT (VIF101, RV1)

- 1. Align with an appropriate signal between stations.
- 2. Adjust RV1 so that snow noise and cross modulation just disappear from the picture.

IFG5.5S SIF



IFG5.5S SIF -component side-

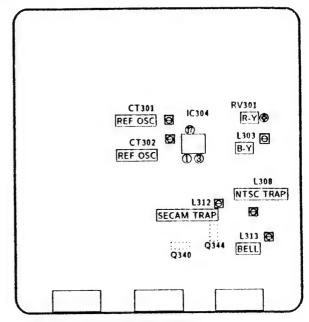
STEREO SEPALATION ADJUSTMENT (RV1)

- 1. Input stereo signals. (L-CH 400Hz, R-CH 1KHz)
- 2. Check the stereo indicator.
- 3. Connect on oscilloscope to pin® (CH1) of CN1 through band pass filter of 1KHz
- 4. Adjust RV1 so that 1KHz voltage goes down to the minnum.

H FREQ (RV2)

- Input a PAL COLOR BAR signal, then connect a jumper between pin[®] IC4 and GND.
- 2. Connect a frequency counter to pin IFG5.5S (IIP) of CN1 through a probe of 10:1.
- 3. Adjust RV2 (H.FREQ) 15.625 ± 50Hz.
- 4. After adjustment, remove the jamper.

4-2. B1 BOARD ADJUSTMENTS



B1 BOARD (COMPONENT SIDE)

REFERENCE OSCILLATOR ADJUSTMENT (CT302 8.8MHz)

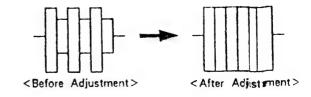
- 1. Input a PAL color bar signal.
- 2. Ground pin To of the IC304.
- 3. Adjust CT302 to obtain synchronization.

REFERENCE OSCILLATOR ADJUSTMENT (CT301 7.16MHz)

- 1. Input an NTSC color bar signal.
- 2. Ground pin (7) of IC304.
- 3. Adjust the CT301 to obtain synchronization.
- 4. Remove the jumper grounding pin @ of 1C304.

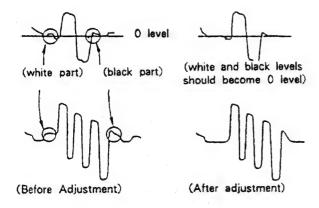
BELL FILTER ADJUSTMENT (L313)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to the emitter of Q344.
- 3. Adjust L313 so that the waveform is flat.



DISCRIMINATION ADJUSTMENTS (RV301 and £303)

- 1. Input a SECAM color bar signal.
- 2. Connect the oscilloscope to pin ① of IC304.
- Adjust RV301 until the white and black sections
 of the waveform at pin are at the 0 level.
 Connect the oscilloscope to pin of IC304.
- 4. Adjust L303 until the white and black sections of
- 5. the waveform at pin 3 are at the 0 level.



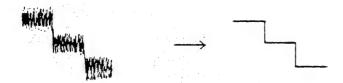
SECAM TRAP (L312)

- 1. Input a SECAM color bar signal.
- Connect oscilloscope to Q340 emitter and adjust L312 to minimize color carrier on the Y-signal.

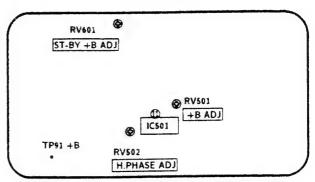


NTSC TRAP (L308)

- 1. Input a NTSC (3.58) color bar signal.
- Connect oscilloscope to Q340 emitter and adjust L308 to minimize color carrier on the Y-signal.



4-3. D BOARD ADJUSTMENTS



D BOARD (COMPONENT SIDE)

+B ADJUSTMENT (RV501)

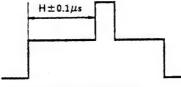
- 1. Connect the digital multimeter to TP91.
- 2. Adjust RV501 to obtain 135 ± 0.2 V.

ST-BY +B ADJUSTMENT (RV601)

- 1. Put the system into \circlearrowleft standby mode (remote commander).
- 2. Connect the digital multimeter to TP91.
- 3. Adjust RV601 to obtain $135 \pm 3V$.
- 4. Take the system out of \circlearrowleft standby mode (remote commander).

H.PHASE ADJUSTMENT (RV502)

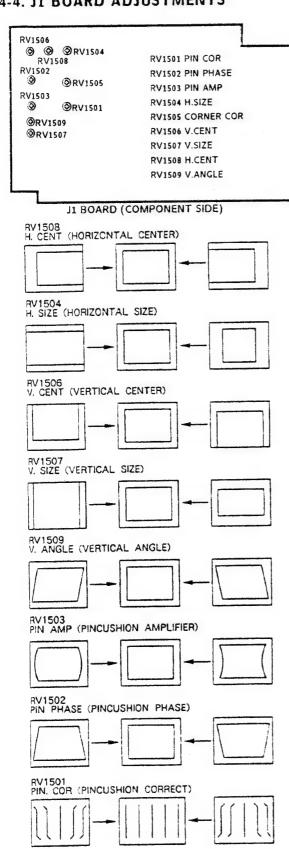
- 1. Input a PAL color bar signal.
- Set the picture and brightness controls to their normal levels.
- 3. Set RV1508 (H.CENT) to its mechanical center.
- 4. Connect the oscilloscope to pin (1) (SCP) of IC 501.
- 5. Rotate RV502 to adjust to $H \pm 0.1 \mu s$.



Standard of H. PHASE

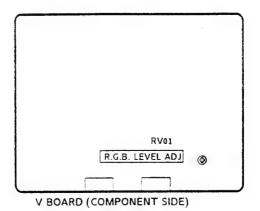
| Model Size | H |
|------------|----------------------|
| 25 " | $5.1 \mu \mathrm{s}$ |
| 29 " | $5.5\mu s$ |

4-4. J1 BOARD ADJUSTMENTS



RV1505 CORNER COR (CORNER CORRECT)

4-5. V BOARD ADJUSTMENT



RGB LEVEL ADJUSTMENT (RV01)

- 1. Maximize the picture setting.
- 2. Adjust RV01 so that the RGB output is 0.75V.

4-6. SECONDARY ADJUSTMENTS

SUB BRIGHTNESS ADJUSTMENT

- 1. Set the system to receive a test pattern.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Switch off the power.
- While depressing the adjusting buttons + and
 simultaneusly, turn on the power. (SUB mode is obtained)
- 5. Minimize the O contrast setting.
- 6. Adjust the \$\frac{1}{47}\$ brightness control so that the gray scale 0 IRE section is cut off completely and the 20 IRE section is barely glowing.
- 7. Depress the \diamondsuit (store) button of the remote commander.

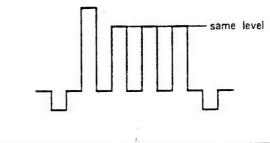
(SUB mode is released)

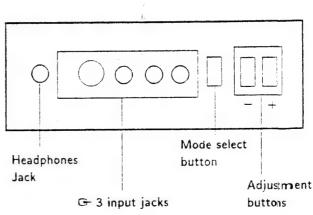
If there is no test color pattern

- 1. Set the system to receive a color pattern.
- Press → ← on the remote commander to put
 the system into normal mode.
 Set the ② color to its normal state.
- 3-5. Steps are the same as above.
- 6. Since 20 IRE is nearly blue, adjust the prightness control so that the blue barely glows.
- 7. Same as step 7 above.
- Press --- on the remote commander to put the system into normal mode.

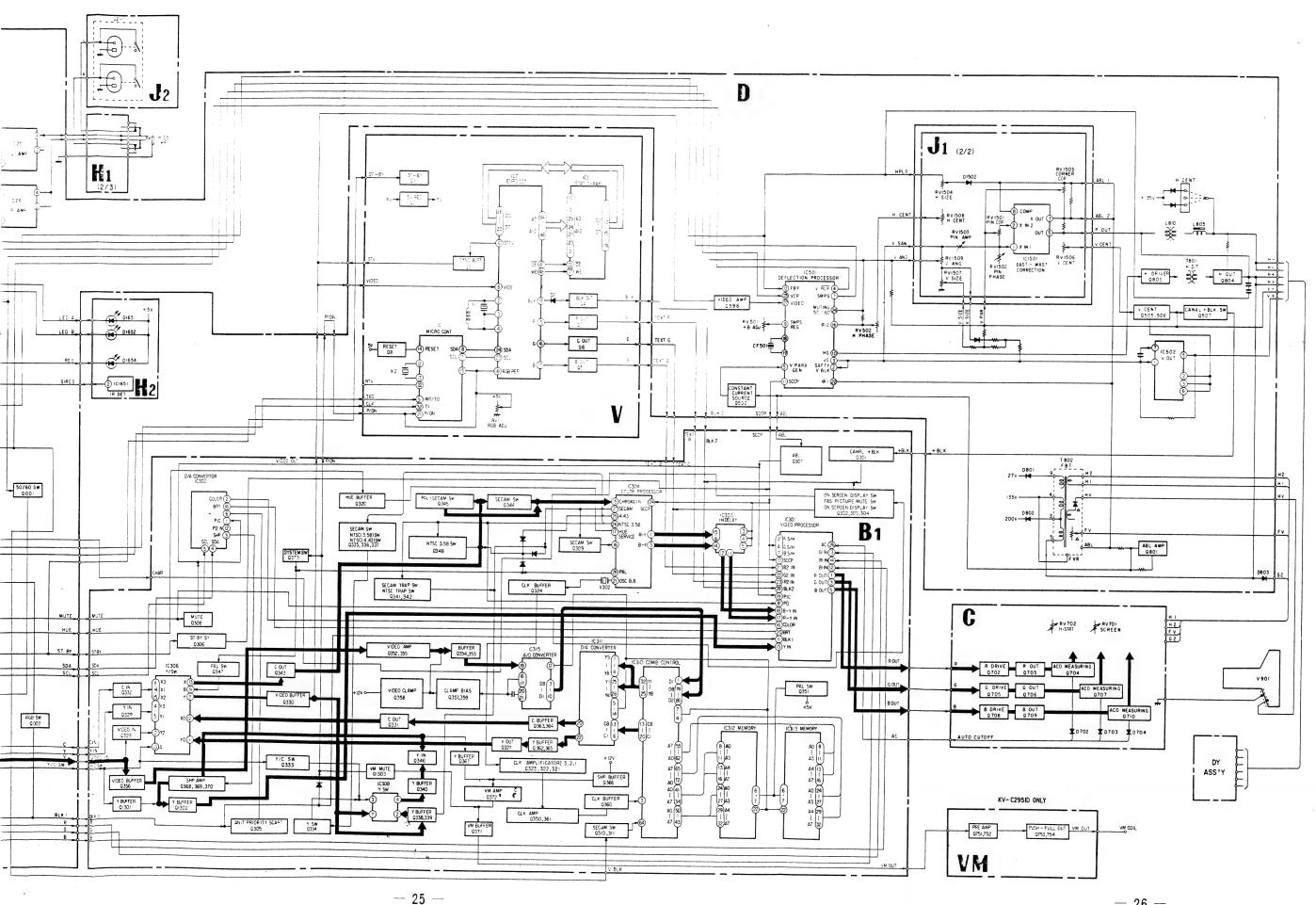
SUB COLOR ADJUSTMENT

- 1. Set the system to receive color bars.
- Press → ← on the remote commander to put the system into normal mode.
- 3. Cut off the power.
- While depressing the adjustment buttons + and - simultaneusly, turn on the power. (SUB mode is obtained).
- 5. Adjust the color control so that the B out waveform (pin 5 of C board connector CNC72) is as shown in the figure below.
- 6. Depress the \diamondsuit (store) button of the remote commander. (SUB mode is released)





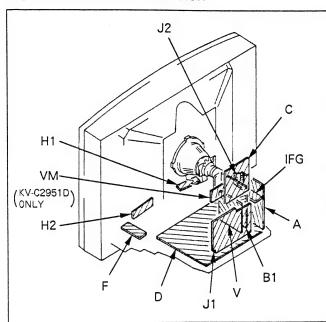
KV-C2551D/C2951D KV-C2551D/C2951D **SECTION 5 DIAGRAMS J**2 FAST ON/OFF Q604 TU101 UV816PLL H1 (2/3) ST-BY SW Q608 MUTE SW Q009 AUDIO AMP 0113,114 1 J_{1(1/2)} 50/60 SW Q001 MODE I SW +5v RESET 0010 , [1/2] **— 23 — — 24** —



AUDIO CONTROL, AV INPUT, Y/C INPUT, SCART VIDEO OUT,

EAST-WEST CORRECTION

5-2. CIRCUIT BOARDS LOCATION



Reference information

RESISTOR : RN METAL FILM SOLID : RC : FPRD NONFLAMMABLE CARBON NONFLAMMABLE FUSIBLE : FUSE : RS NONFLAMMABLE CEMENT : RB · RW ADJUSTMENT RESISTOR MICRO INDUCTOR : LF-8L COIL CAPACITOR : TA TANTALUM PS STYROL POLYPROPYLENE : PT MYLAR : MPS METALIZED POLYESTER MPP METALIZED POLYPROPYLENE BIPCLAR : ALB : ALT HIGH TEMPERATURE HIGH RIPPLE ALR

5-3. SCHEMATIC DIAGRAM AND PRINTED WIRING BOARDS

Note: The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Note:

- All capacitors are in µF unless otherwise noted. $pF:\;\mu\,\mu F\;$ 50WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5mm Rating electrical power: 1/4W

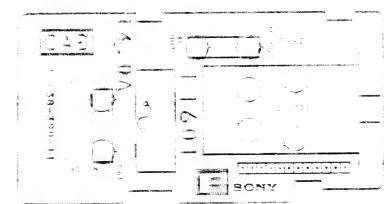
- Chip resistor is in 1/10W.
- All resistors are in ohms, $k\Omega=1000\Omega,\; M\Omega=1000k\; \Omega$
- monflammable resistor.
- fusible resistor.
- △: internal component.
- : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B.unless otherwise noted.
- All voltages are in V.
- ullet Readings are taken with a 10M Ω digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.

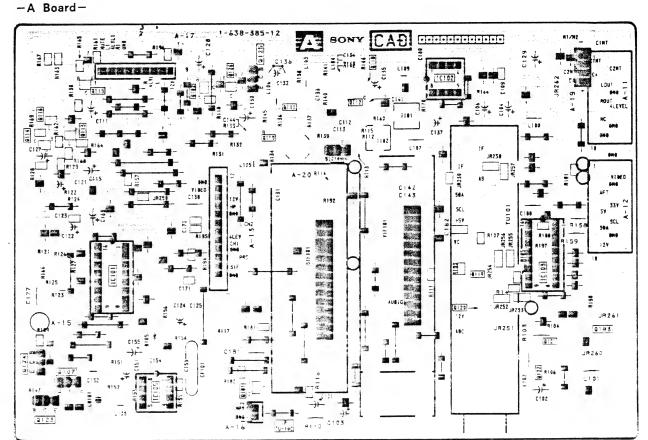
5

- -: B + line.
- signal path. (RF)

NONFLAMMABLE METAL OXIDE NONFLAMMABLE WIREWOUND







[AC IN,

POWER SW

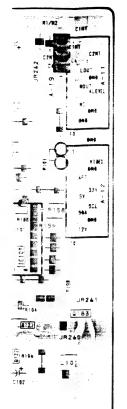


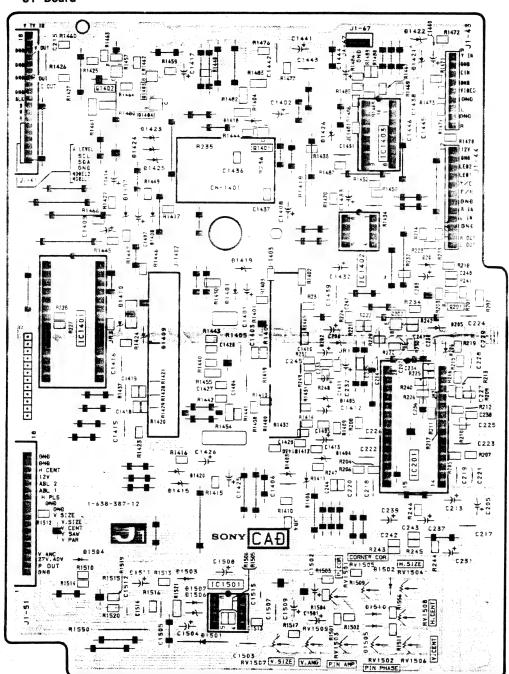
[SPEAKER] TERMINAL]

[CONTROL SW, AV INPUT,] H2

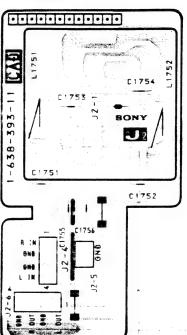
[SIRCS RECEIVER,] INDICATOR

-J1 Board-

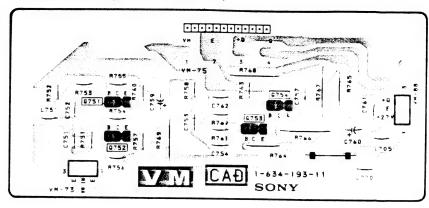




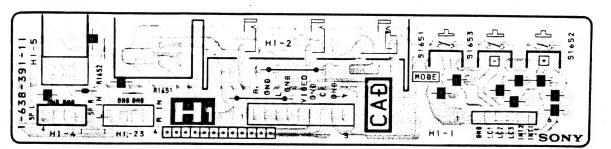
-J2 Board-



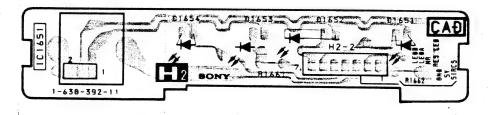
-VM BOARD- (KV-C2951D ONLY)

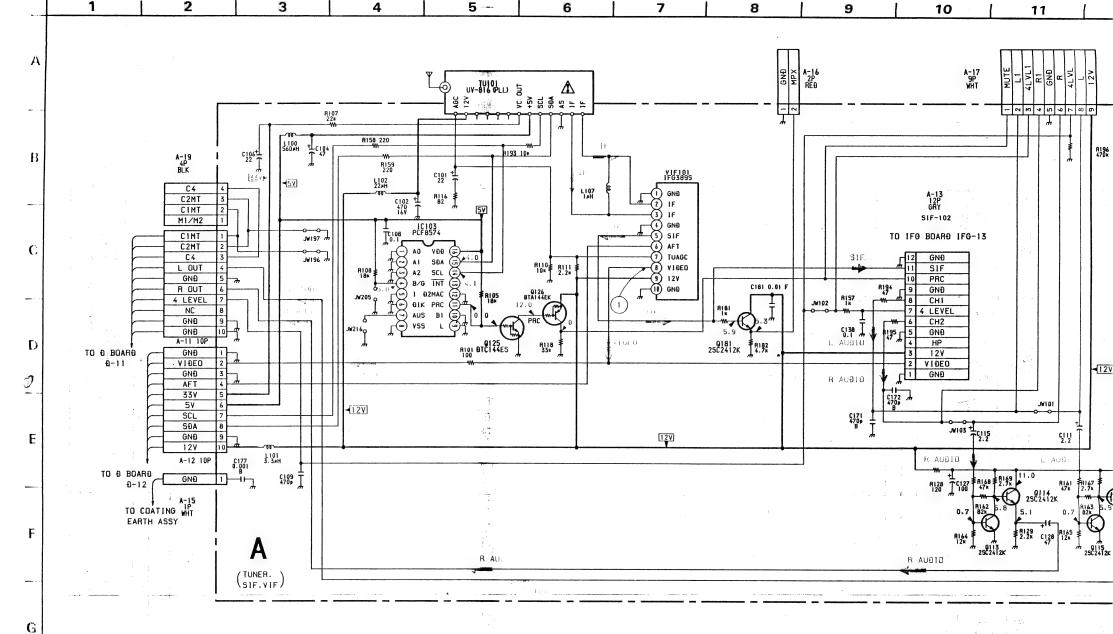


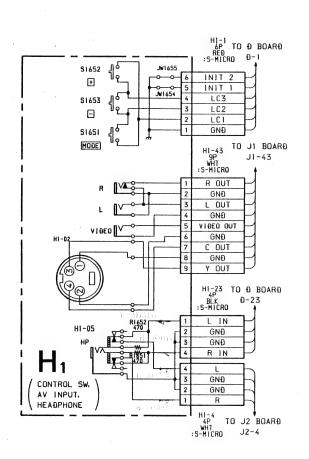
-H1 Board-



-H2 Board-







H

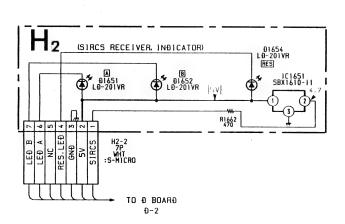
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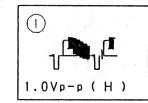
0



• H2 BOARD

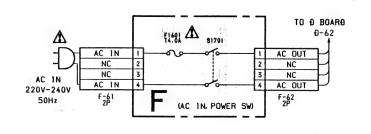
| 112 007 | | |
|---------|------------|---------------------------|
| 1C1651 | SBX1610-11 | INFRARED RECIVER |
| Ð1651 | LÐ-201VR | AUÐIO CHANNEL A INÐICATOR |
| Ð1652 | LÐ-201VR | AUÐIO CHANNEL B INÐICATOR |
| Ð1654 | LÐ-201VR | RESET |

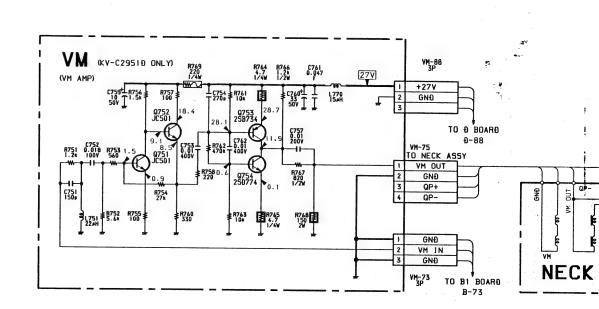
• WAVEFORMS A BOARD



• A BOARD

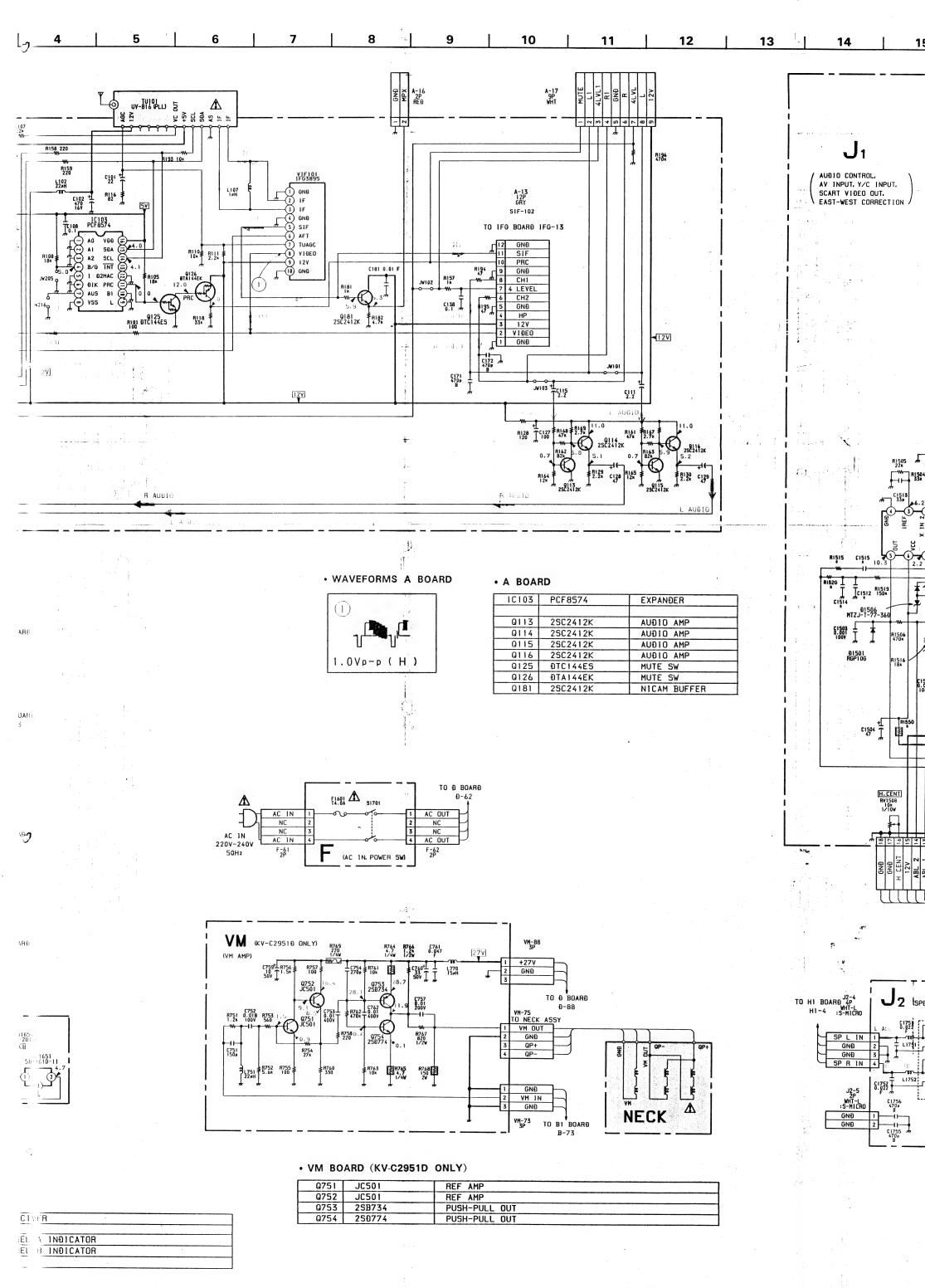
| 10103 | PCF8574 | EXPAN |
|-------|----------|---------|
| | · | |
| Q113 | 25C2412K | OIGUA |
| Q114 | 25C2412K | O I GUA |
| Q115 | 2SC2412K | OIGUA |
| Q116 | 25C2412K | OIGUA |
| Q125 | DTC144ES | MUTE S |
| Q126 | ÐTA144EK | MUTE S |
| Q181 | 25C2412K | NICAM |

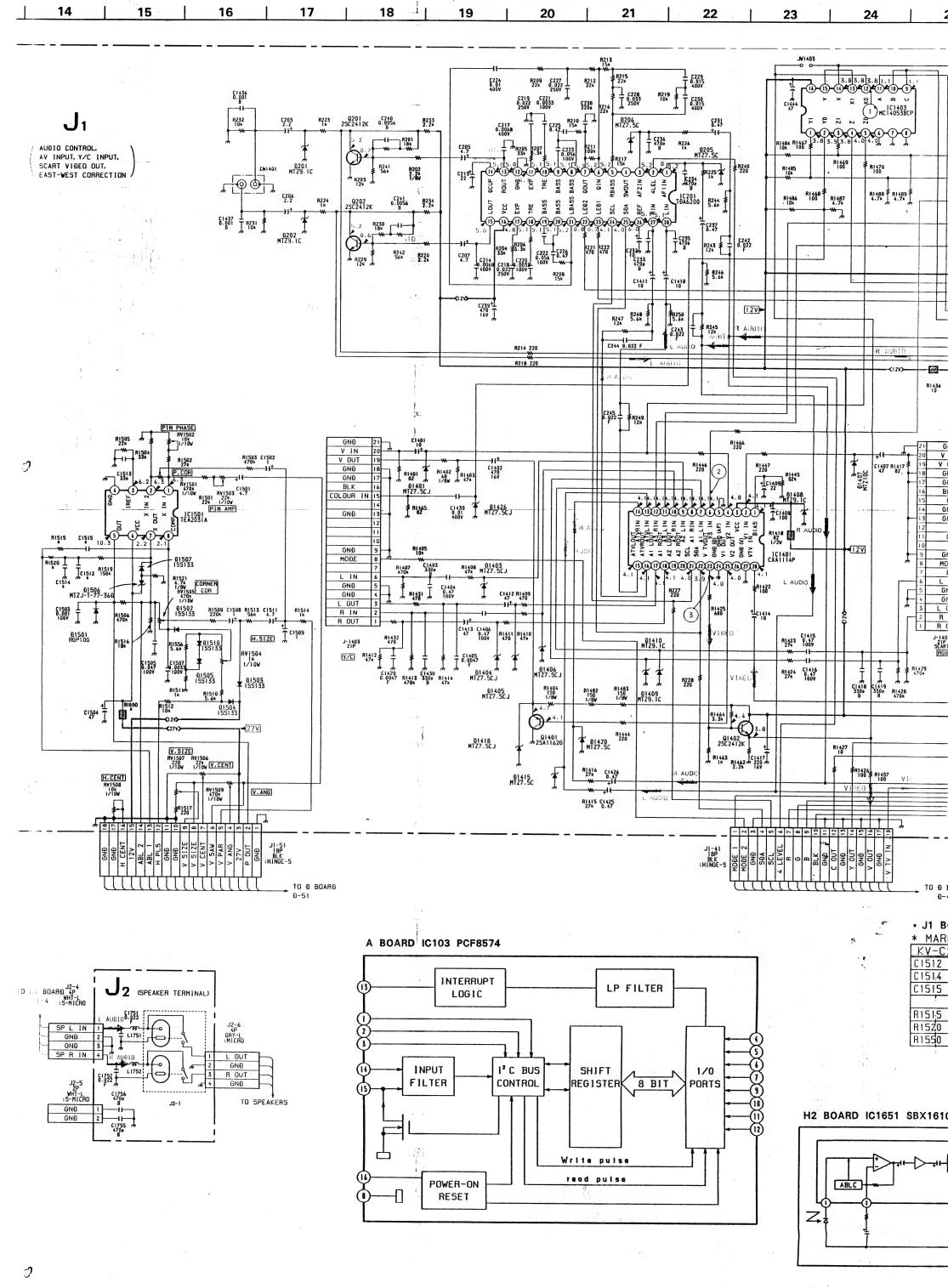


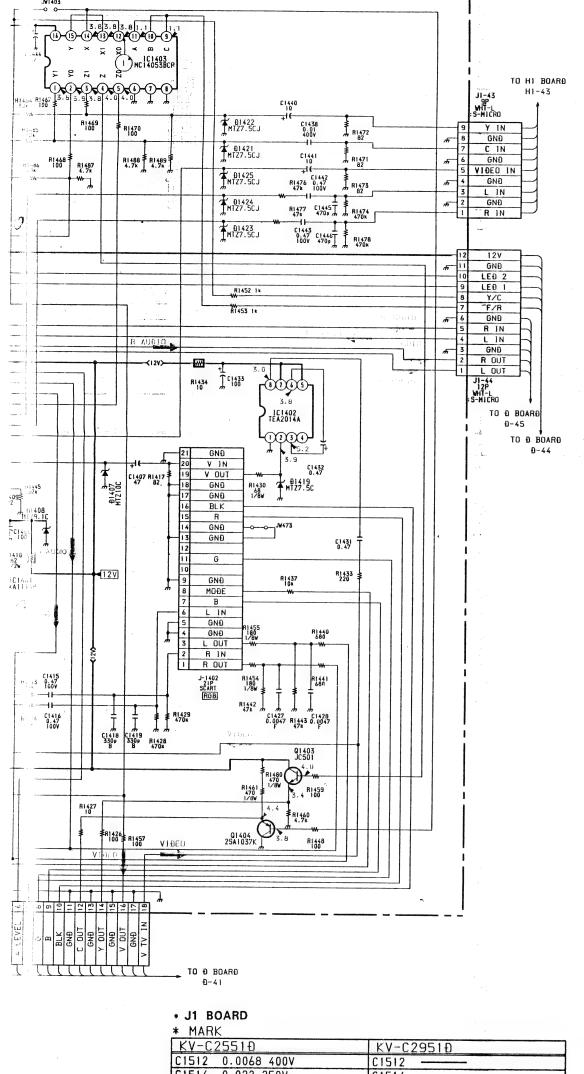


• VM BOARD (KV-C2951D ONLY)

| Q751 | JC501 | REF AMP |
|------|--------|---------------|
| Q752 | JC501 | REF AMP |
| Q753 | 25B734 | PUSH-PULL OUT |
| Q754 | 25Đ774 | PUSH-PULL OUT |



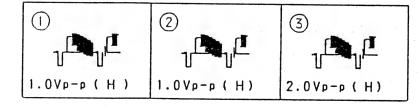




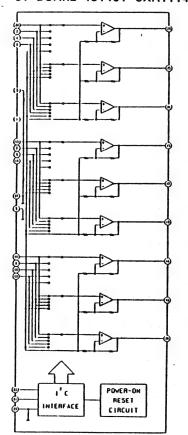
• J1 BOARD

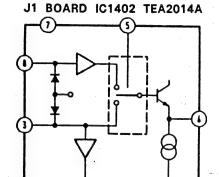
| IC201 | TĐA6200 | AUDIO CONTROL |
|----------------|----------------------------------|----------------------|
| IC1401 | CXA1114P | AV SW |
| IC1402 | TEA2014A | SCART VIĐEO OUT |
| 101403 | MC14053BCP | COMPOSITE Y/C SW |
| IC1501 | TEA2031A | EAST-WEST CORRECTION |
| | | |
| 0201 | 2SC2412K | AUDIO R BUFF |
| Q202 | 25C2412K | AUĐIO L BUFF |
| Q1401 | 25A1037K | VIĐEO OUT |
| Q1402 | 25C2412K | VIĐEO OUT BUFF |
| Q1403 | 25C2412K | Y OUT BUFF |
| Q1404 | 25A1037K | C OUT BUFF |
| | | |
| Ð201 | MTZJ-T-77-9.1C | PROTECT |
| Đ202 | MTZJ-T-77-9.1C | PROTECT |
| Đ205 | MTZJ-T-77-7.5C | PROTECT |
| Đ206 | MTZJ-T-77-7.5C | PROTECT |
| Ð1401 | MTZJ-T-77-7.5C | PROTECT |
| £1403 | MTZJ-T-77-7.5C | PROTECT |
| Ð1404 | MTZJ-T-77-7.5C | PROTECT |
| Ð1405 | MTZJ-T-77-7.5C | PROTECT |
| Ð1406 | MTZJ-T-77-7.5C | PROTECT |
| Ð1407 | MTZJ-T-77-10C | PROTECT |
| D1408 | MTZJ-T-77-9.1C | REG |
| Ð1409 | MTZJ-T-77-9.1C | PROTECT |
| Ð1410 | MTZJ-T-77-9.1C | PROTECT |
| Ð1415 Ð1418 | MTZJ-T-77-7.5C | PROTECT |
| 01419 | MTZJ-T-77-7.5C MTZJ-T-77-7.5C | PROTECT |
| Đ1420 | MTZJ-T-77-7.5C | PROTECT |
| Ð1421 | MTZJ-T-77-7.5C | PROTECT |
| Ð1422 | MTZJ-T-77-7.5C | PROTECT PROTECT |
| D1423 | MTZJ-T-77-7.5C | PROTECT |
| Đ1424 | MTZJ-T-77-7.5C | PROTECT |
| Ð1425 | MTZJ-T-77-7.5C | PROTECT |
| D1426 | MTZJ-T-77-7.5C | PROTECT |
| Ð1501 | RGP10G | PROTECT |
| Ð1502 | 155133 | DECOUPLING H SIZE |
| Ð1503 | 155133 | CLIPPING V PARABORA |
| 01504 | 155133 | CLIPPING H PULSE |
| Ð1505 | 155133 | REG |
| Ð1506 | MTZJ-T-77-36Đ | PROTECT |
| £1507 | 155133 | PROTECT |
| Ð1510 | 155133 | REG |
| | | |

• WAVEFORMS J1 BOARD







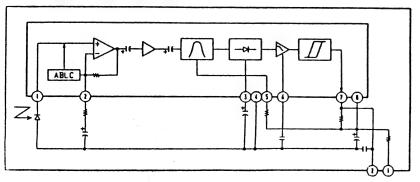


J1 BOARD IC1403 MC14053BCP (6)(5)(4)(3)(2)(1)(0)(9) A B C 3)(4)(5)(6)(7)(8)

| * MARK | |
|-------------------|----------------|
| KV-C2551Đ | KV-C2951Ð |
| C1512 0.0068 400V | C1512 ——— |
| C1514 0.022 250V | C1514 ——— |
| C1515 820P | C1515 ——— |
| | |
| R1515 680K | R1515 ——— |
| R1520 470K | R1520 390K |
| R1550 JW | R1550 1 IW :RS |
| R1520 470K | R1520 390K |

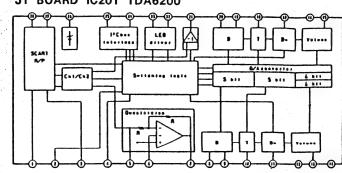
H2 BOARD IC1651 SBX1610-11

I

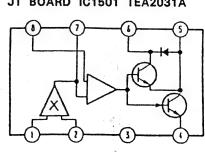


J1 BOARD IC201 TDA6200

- NOT MOUNTED



J1 BOARD IC1501 TEA2031A



| | • WAVEFORMS B1 B | OARD | | |
|----|-------------------------------|--|--|--------------------------|
| | 1 PAL . | 1 SECAM | 1 NTSC3.58/ NTSC4.43 | 2 PAL |
| | <i>Վ</i> խՎխՎՆ | 1,111,1 | 11111 | |
| | 5.4Vp-p (H) | 4.8Vp-p (H) | 5.6Vp-p (H) | 5.4Vp-p (H) |
| | 2 SECAM | 2 NTSC3.58/ NTSC4.43 | 3 PAL | 3 SECAM |
| | | JOL JOL | տվիսովիսովիտ | ւյտայւ |
| | 4.8 Vp-p (H) | 5.6Vp-p (H) | 5.4Vp-p (H) | 5.0Vp-p (H) |
| | 3 NTSC3.58/ NTSC4.43 | 4 | (5) PAL | SECAM |
| | ALL MANNETH OF | _/\/ | Lumy | Samo |
| | 6.2Vp-p (H) | 10.5Vp-p (H) | 0.4Vp-p (H) | 0.3Vp-p(H) |
| | 5 NTSC3.58/ NTSC4.43 | 6 PAL/SECAM | 6 NTSC3.58/ NTSC4.43 | 7 PAL/SECAM |
| | Symmy | 2/////- | -171717- | <u></u> ₩₩- <u>-</u> ₩₩- |
| | 0.6Vp-p (H) | 1.1Vp-p (H) | 1.2Vp-p (H) | 1.4Vp-p (H) |
| | 7 NTSC3.58/ NTSC4.43 | 8 PAL | 8 SECAM | 8 NTSC3.58/ NTSC4.43 |
| | | 1/2-1/2-1/2- | 10-10-10- | -171717- |
| | 1.4Vp-p (H) | 0.4Vp-p (H) | 1.0Vp-p (H) | 0.8Vp-p (H) |
| | 9 PAL. | 9 SECAM | 9 NTSC3.58/ NTSC4.43 | 10 SECAM |
| 7. | | <u> </u> | + Marting- + W | 3 Harman Ha |
| | 0.7Vp-p (H) | 1.4Vp-p (H) | 0.85Vp-p (H) | 0.2Vp-p (H) |
| | 1) SECAM | 12 PAL | 12 SECAM | 12 NTSC3.58/ NTSC4.43 |
| | | IN CONTRACTOR OF THE PERSON OF | 3 MARIEN ME | pline the |
| | 1.2Vp-p (H) | 0.16Vp-p (H) | 0.2Vp-p (H) | 0.3Vp-p (H) |
| | 13 PAL | 13 SECAM | (3) NTSC3.58 | 13 NT5C4.43 |
| | J. Carrier | STATE OF STA | -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | |
| | 1.0Vp-p (H) | 0.8Vp-p (H) | 0.9Vp-p (H) | 0.95Vp-p(H) |
| | 14 PAL | 14 SECAM | 14 NTSC3.58 | 14 NTSC4.43 |
| | Summy | Some | and board from the | |
| | 0.8Vp-p (H) | 0.7Vp-p (H) | 0.6Vp-p (H) | 0.8Vp-p (H) |
| | PAL PAL | SECAM NTSC3.58 NTSC4.43 | 16 | 17) PAL |
| | B-1000-14 | | Janes J. | Janey |
| | 0.7Vp-p (H) | 0.5Vp-p (H) | 0.9Vp-p (H) | 1.9Vp-p (H) |
| | SECAM NTSC3.58 NTSC4.43 | (18) PAL | 18 SECAM | 19 PAL |
| | | 3 th again the | STATE OF THE PARTY | 11-4-11-4-1 |
| | 0.1 Vp-p (H) | 0.2Vp-p (H) | 0.8Vp-p (H) | 0.6Vp-p (H) |
| | SECAM | 19 NISC3.58/ NISC4.43 | | |
| | Day Park | | | |
| | 0.8Vp-p (H) | 0.9Vp-p (H) | | |

to the voltage volue shown by the bark % on the Schematic Diagram, see another list.

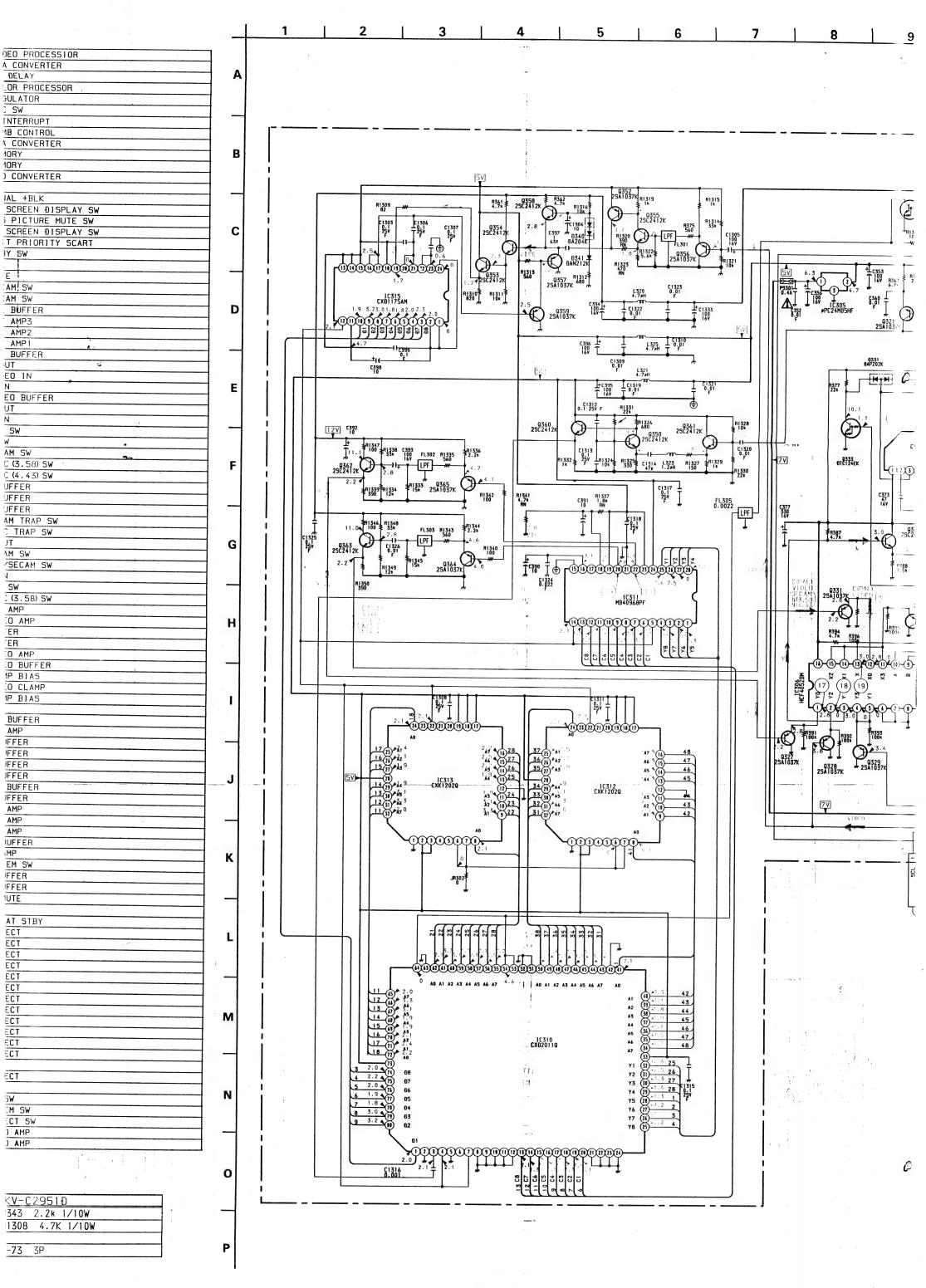
| IC·NO | PIN·NO | PAL | SECAM | NTSC 3.38 | NTSC 4.43 |
|-------|----------|-----|-------|--------------|--------------|
| | (5) | 6.7 | 4.8 | 4.8 | 4.8 |
| ∷301 | (15) | 8.9 | 7.0 | 7.0 | 7.0 |
| | (19) | 3.4 | 3.4 | 3.8 | 3.4 |
| | (11) | 6.6 | 6.6 | 6.0 | 6.3 |
| | (1) | 0.1 | 6.8 | .6.9 | 6.8 |
| | (5) | 9.9 | 0 | 9.9 | 9.9 |
| , | (1) | 4.6 | 0 | 4.6 | 4.6 |
| | (1) | 3.4 | 3.0 | 3.4 | 3.4 |
| | (9) | 3.4 | 3.0 | 3.4 | 3.4 |
| 10304 | (10) | 4.6 | 3.4 | 4.6 | 4.6 |
| 16304 | (1) | 2.3 | 3.1 | 3.1 | 2.3 |
| | (11) | 5.6 | 5.6 | 5.6 | 7.4 |
| | (13) | 7.5 | 7.5 | 5.7 | 5.7 |
| | € | 0.1 | 0.1 | 0.1 | 6.0 |
| | ® | 0.1 | 0.1 | 6.0 | 0.1 |
| | Ø | 0.1 | 6.0 | 0.1 | 0.1 |
| | G9 | 6.0 | 0.1 | 0.1 | 0.1 |

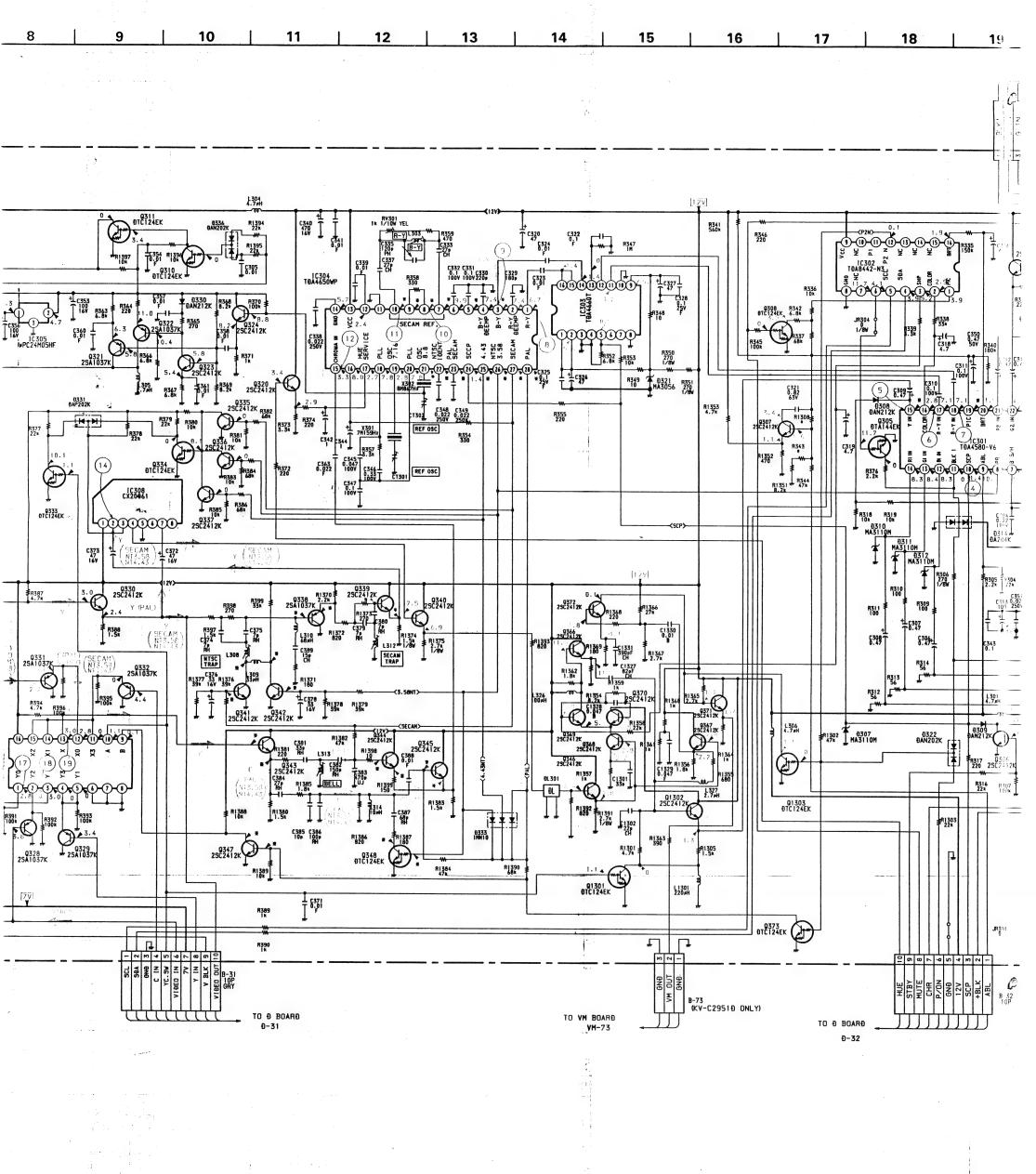
| , | Q • NC |) | PAL | SECAM | NTSC 3.38 | NTSC 4.43 |
|---|--------|---|------|-------|--------------|--------------|
| | 0338 | В | 2.4 | 3.9 | 3.9 | 3. 9 |
| | 4336 | ε | 3.0 | 4.6 | 4.6 | 4.6 |
| | 0339 | В | 3.0 | 4.6 | 4.6 | 4.6 |
| | 0333 | Ε | 2.4 | 3.9 | 3.9 | 3.9 |
| | 0341 | В | 0 | 0.6 | 0.4 | 0.1 |
| | 0341 | С | 11.6 | 0 | 11.6 | 11.6 |
| | 0342 | В | 0 | 0 | 0.4 | 0 |
| | 4342 | C | 11.7 | 0 | 11.7 | 11.7; |
| | 0343 | В | 3.4 | 5.4 | 5.3 | 5.3 |
| | U343 | Ε | 2.8 | 4.7 | 4.7 | 4.7 |
| | Q344 | В | 0 | 5.4 | 1.0 | 0.1 |
| | U344 | Ε | 4.4 | 4.8 | 1.5 | 4.5 |
| | 0345 | В | 5.0 | 0.1 | 1.9 | 5.0; |
| | U343 | Ε | 4.4 | 4.4 | 1.4 | 4.4 |
| | 0347 | В | 0.6 | 0 | 0 | 0 |
| | U34/ | С | 0.1 | 11.9 | 11.9 | 11.9 |
| 1 | 0348 | В | 0.1 | 0.1 | 1.0 | 0.1 |
| 1 | U340 | С | 1.3 | 0.2 | 0.2 | 0.4 |

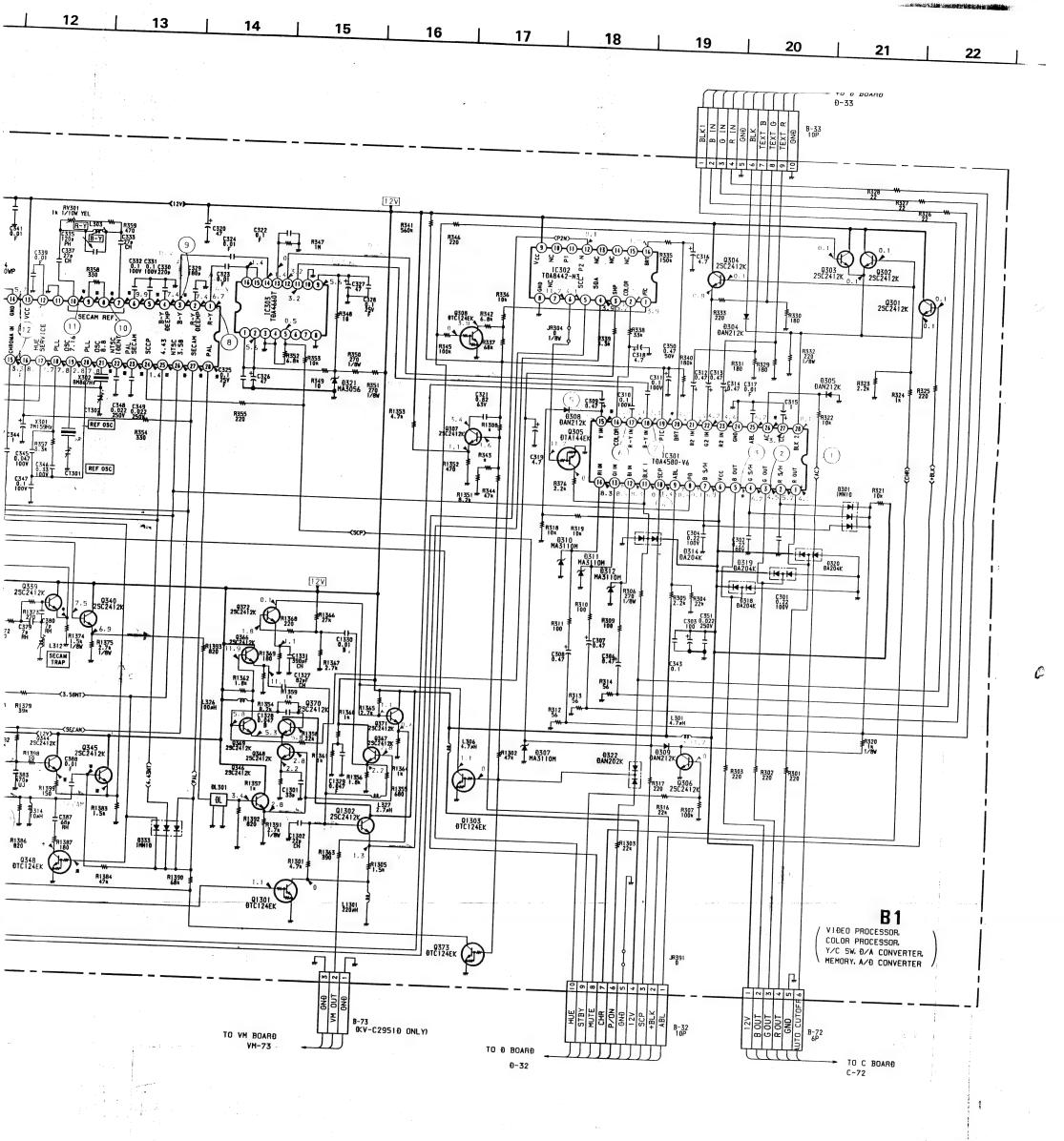
| IC301 | TĐA4580-V6 | V10EO PROCESSIOR |
|----------------|----------------------------|--|
| IC302 | TĐA8442-N3 | D/A CONVERTER |
| 10303 | TDA4660T | 1H DELAY |
| 10304 | TĐA4650WP | COLOR PROCESSOR |
| 1C305 1C306 | #PC24M05HF HCF4052BM | REGULATOR |
| 1C308 | CX20061 | Y/C SW Y INTERRUPT |
| IC310 | CXĐ2011Q | COMB CONTROL |
| 1C311 | MB40968PF | D/A CONVERTER |
| IC312 | CXK1202Q | MEMORY |
| IC313 | CXK1202Q | MEMORY |
| IC315 | CXD1175AM | A/Ð CONVERTER |
| | | |
| 0301 | 25C2412K | CANAL +BLK |
| Q302 Q303 | 2SC2412K 2SC2412K | ON SCREEN DISPLAY SW |
| Q304 | 25C2412K | FAS PICTURE MUTE SW ON SCREEN DISPLAY SW |
| 0305 | DTA144EK | ANIT PRIORITY SCART |
| 0306 | 25C2412K | STBY SW |
| Q307 | 25C2412K | ABL |
| Q308 | ĐTC124EK | MUTE |
| Q310 | ÐTC124EK | SECAM SW |
| Q311 | ĐTC124EK | SECAM SW |
| Q320 | 25C2412K | HUE BUFFER |
| Q321 | 25A1037K | CLK AMP3 |
| Q322 | 25A1037K | CLK AMP2 |
| Q323 Q324 | 25C2412K 25C2412K | CLK AMP1 |
| Q327 | 25L2412K 2SA1037K | CLK BUFFER Y OUT |
| Q328 | 25A1037K | VIĐEO IN |
| 0329 | 25A1037K | YIN |
| Q330 | 25C2412K | VIĐEO BUFFER |
| Q331 | 25A1037K | C DUT |
| Q332 | 2SA1037K | Ĉ IN |
| Q333 | DTC124EK | Y/C SW |
| Q334 Q335 | DTC124EK 25C2412K | Y SW |
| Q336 | 25C2412K 2SC2412K | SECAM SW NTSC (3.58) SW |
| Q337 | 25C2412K | NTSC (4.43) SW |
| 0338 | 25A1037K | Y BUFFER |
| Q339 | 25C2412K | Y BUFFER |
| Q340 | 2SC2412K | Y BUFFER |
| Q341 | 25C2412K | SECAM TRAP SW |
| 0342 | 25C2412K | NTSC TRAP SW |
| Q343 | 25C2412K | C DUT |
| Q344 Q345 | 25C2412K | SECAM SW |
| Q346 | 25C2412K 25C2412K | PAL/SECAM SW Y IN |
| Q347 | 25C2412K | PAL SW |
| Q348 | DTC124EK | NTSC (3.58) SW |
| 0350 | 25C2412K | CLK AMP |
| Q352 | 25A1037K | VIĐEO AMP |
| Q353 | 25C2412K | BUFFER |
| Q354 | 25C2412K | BUFFER |
| 0355 | 25C2412K | VIĐEO AMP |
| 0356 | 25A1037K | VIĐEO BUFFER |
| Q357 Q358 | 25A1037K 25C2412K | CLAMP BIAS |
| Q359 | 25A1037K | VIĐEO CLAMP |
| M223 | ZJATUJ/K | CLAMP BIAS |
| Q360 | 25C2412K | CLK BUFFER |
| Q361 | 25C2412K | CLK AMP |
| Q362 | 25C2412K | Y BUFFER |
| Q363 | 25C2412K | C BUFFER |
| Q364 | 2SA1037K | C BUFFER |
| 0365 | 25A1037K | Y BUFFER |
| Q366 | 25C2412K | SHP BUFFER |
| 0367 0368 | 25C2412K 25C2412K | Y BUFFER SHP AMP |
| 0369 | 25C2412K | SHP AMP |
| Q370 | 25C2412K | SHP AMP |
| Q371 | 25C2412K | VM BUFFER |
| 0372 | 25C2412K | VM AMP |
| Q373 | DTC124EK | SYSTEM SW |
| Q1301 | DTC124EK | Y BUFFER |
| Q1302 | 25C2412K | Y BUFFER |
| Q1303 | DTC124EK | VM MUTE |
| DZOI | IMNIO | ACO AT STRY |
| Ð301 Ð304 | 1MN10 ĐAN212K | ACO AT STBY PROTECT |
| 0304 0305 | ĐAN212K | PROTECT |
| Ð307 | MA3110M | PROTECT |
| Ð308 | ĐAN212K | PROTECT |
| Đ309 | ĐAN212K | PROTECT |
| Ð310 | MA3110M | PROTECT |
| Đ311 | MA3110M | · PROTECT |
| Đ312 | MA3110M | PROTECT |
| Đ314 | ĐA204K | PROTECT |
| Ð318 | ĐA204K | PROTECT |
| Đ319 Đ320 | ĐA204K ĐA204K | PROTECT PROTECT |
| Ð321 | MA3056 | REG |
| Đ322 | ĐAN202K | PROTECT |
| Đ330 | ĐAN212K | BIAS |
| 0000 | ĐAP202K | Y/C SW |
| Đ331 | | |
| Đ331 Đ333 | 1MN10 | SYSTEM SW |
| Đ331 | JMN10 ĐAN202K ĐA204K | SYSTEM SW CORRECT SW VIDEO AMP |

• B1 BOARD

| * MARK | |
|----------------|------------------|
| KV-C2551Ð | KV-C2951Đ |
| R343 560 1/10W | R343 2.2k 1/10W |
| R1308 0 1/10W | R1308 4.7K 1/10W |
| | |
| B-73 OPEN | B-73 3P |







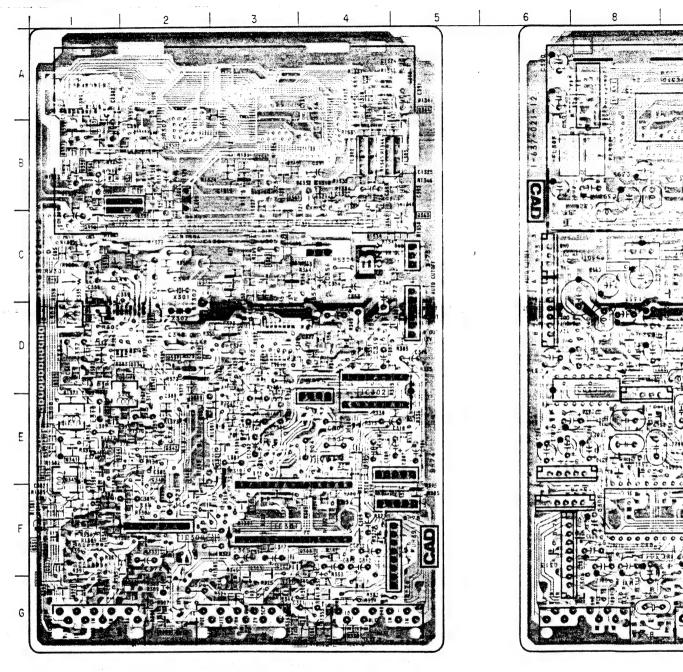
B1

VIDEO PROCESSOR, COLOR PROCESSOR, Y/C SW, D/A CONVERTER, MEMORY, CONVERTER

Note:

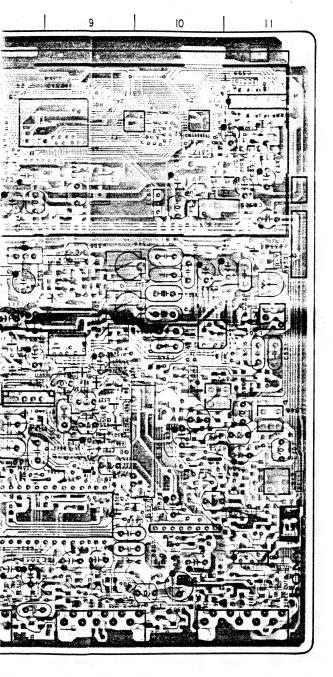
• 3333

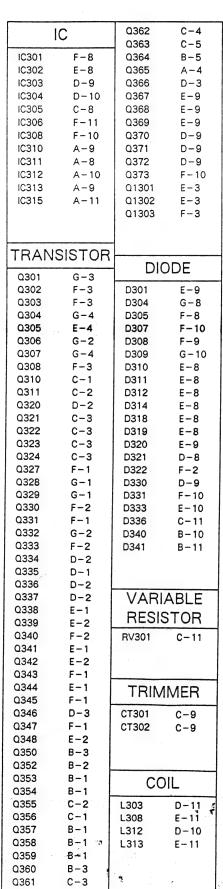
-B1 Board-



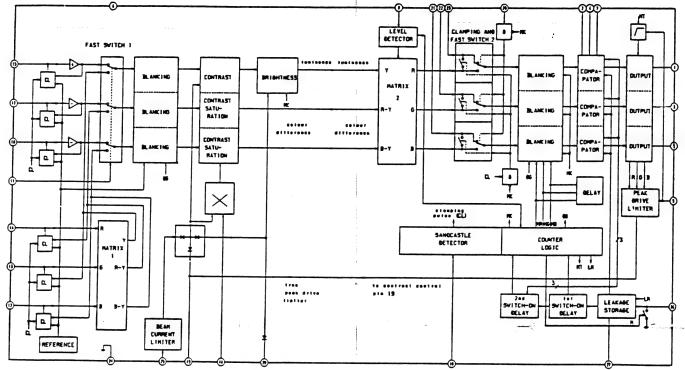
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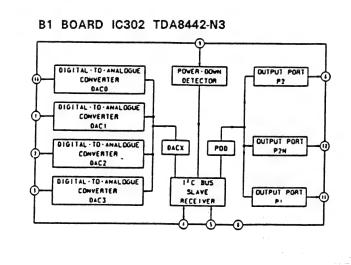
- Pattern from the side which enables seeing.
- Pattern of the rear side.

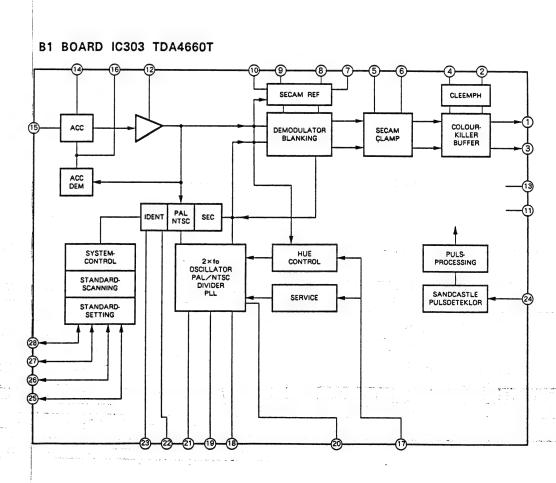




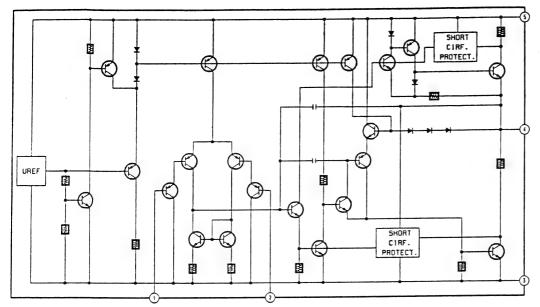
B1 BOARD IC301 TDA4580-V6



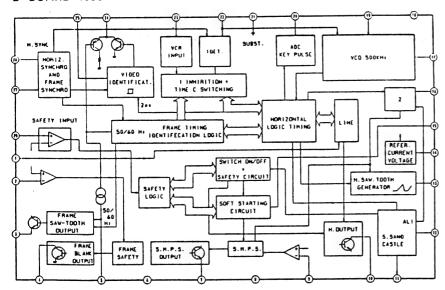


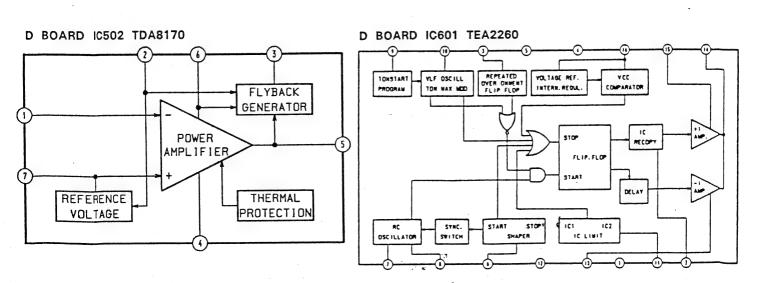


D BOARD IC251/261 TDA2050



D BOARD IC501 TEA2028B





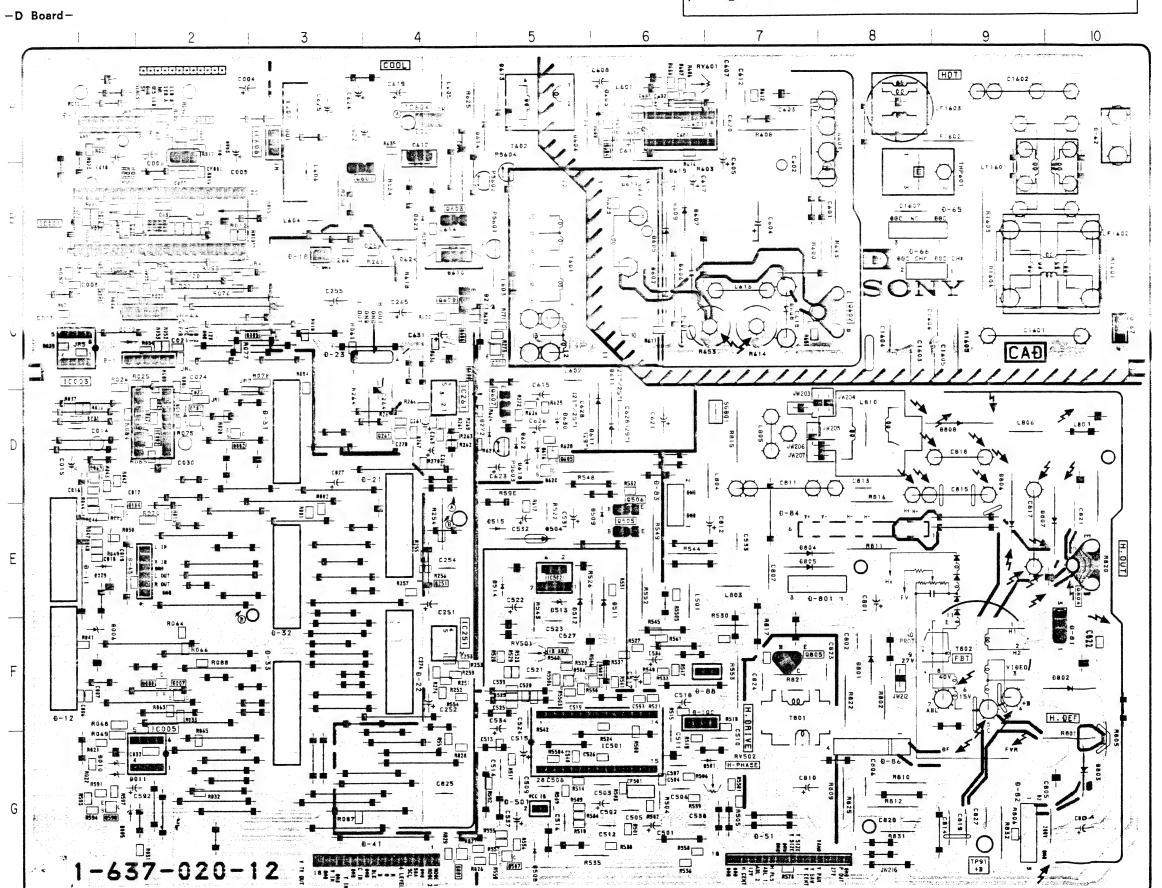
2

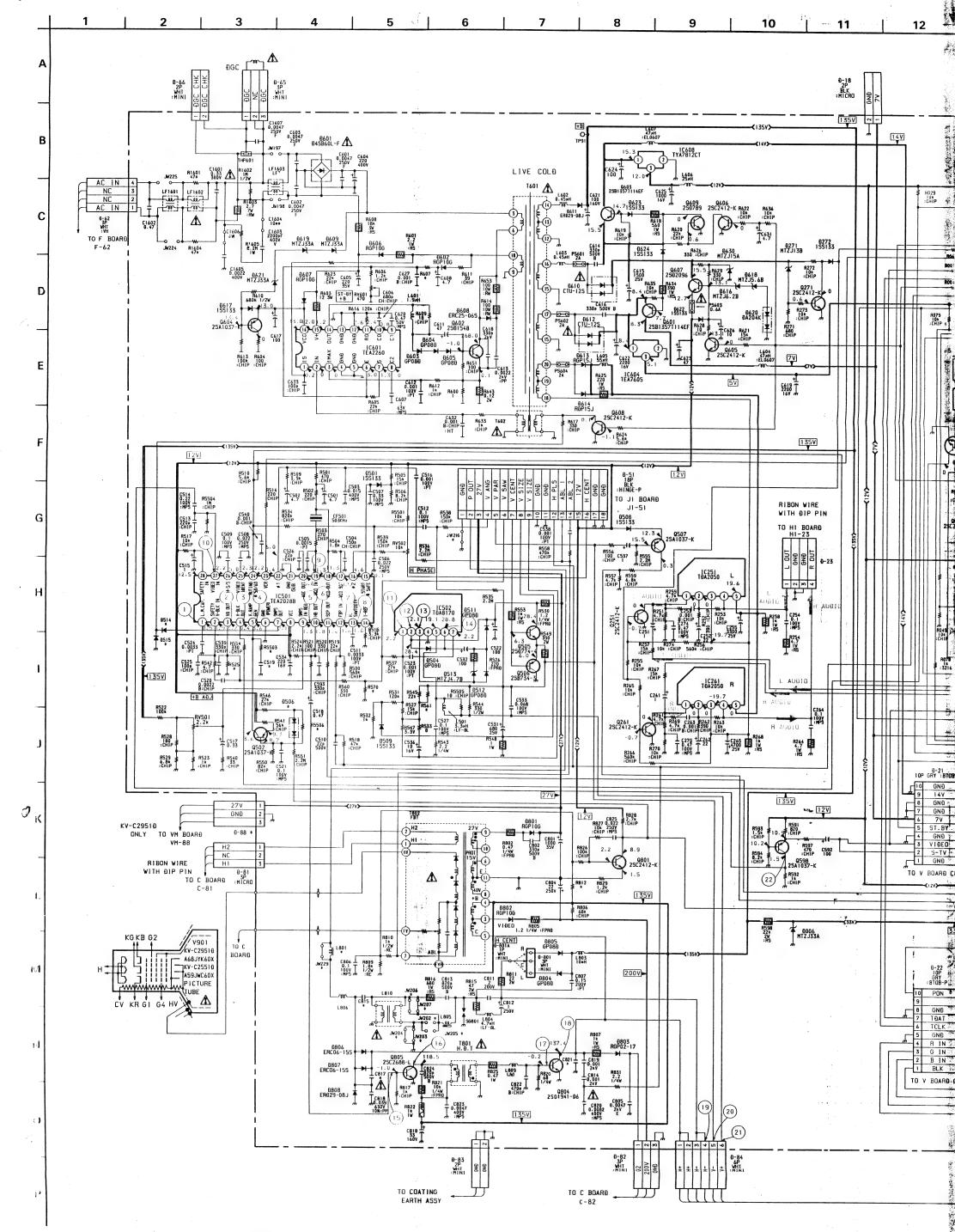
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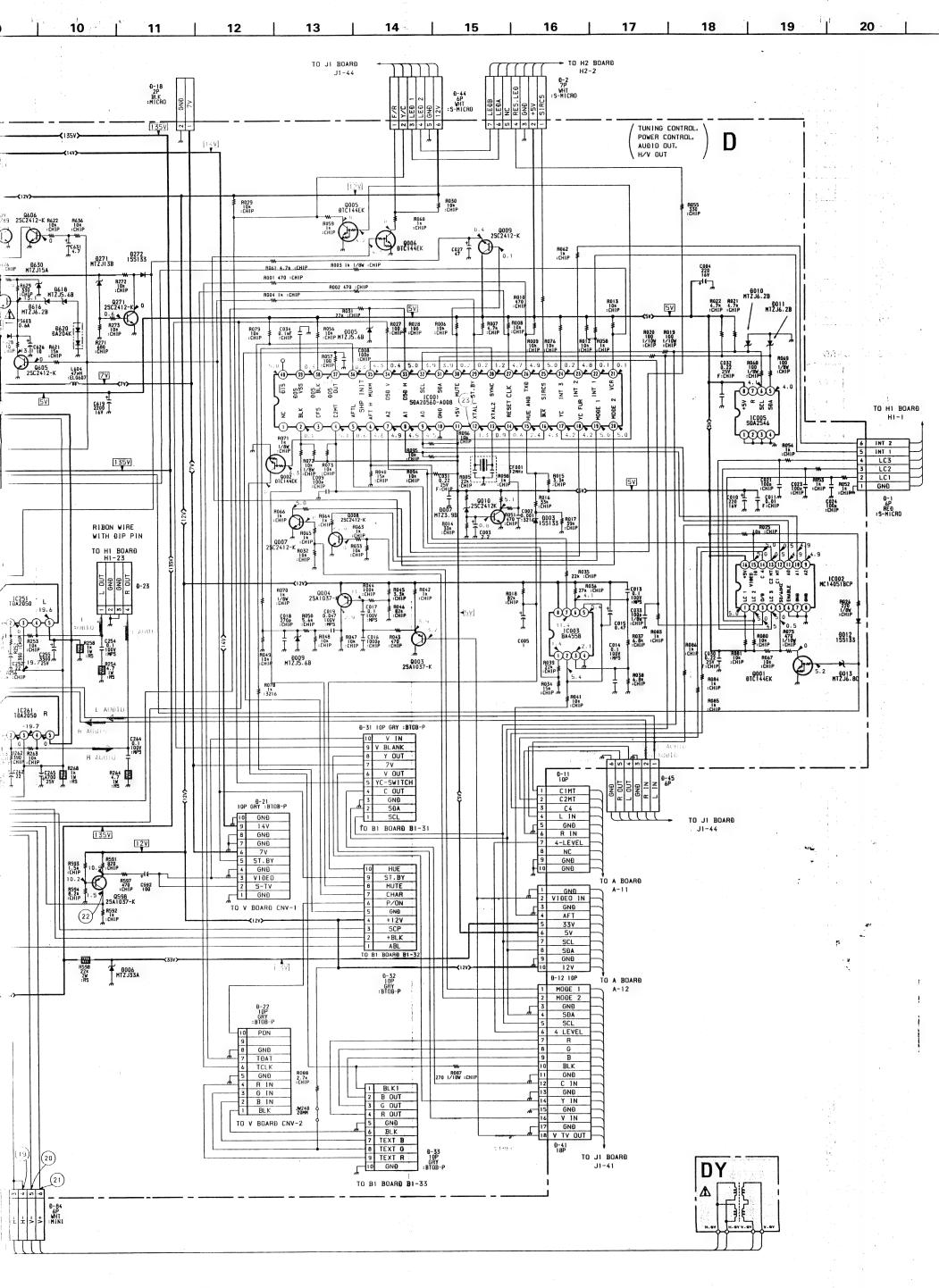
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

TUNING CONTROL, POWER CONTROL, AUDIO OUT, H/V OUT

| | | D013 | D-2 |
|----------------|-------------|--------------|------------|
| [(| S | D013 | C-5 |
| IC001 | B-1 | D272 | D-5 |
| IC002 | D-2 | D501 | G-6 |
| 10003 | C-1 | D504 | E-5 F-5 |
| IC005 IC251 | G-2 F-4 | D506 D508 | G-5 |
| IC261 | D-4 | D509 | E-6 |
| IC501 | G-6 | D511 | E-6 |
| IC502 | E-5 | D512 | E-5 |
| IC601 | A-6 | D513 | E-5 |
| IC604 IC608 | A-4 A-3 | D514 D515 | E-5 E-5 |
| 10000 | Α Ο | D601 | A-8 |
| | | D602 | C-6 |
| | | D603 D604 | A-6 D-5 |
| IRANS | SISTOR | D605 | B-6 |
| Q001 | D-2 | D606 | B-6 |
| Q002 | D-2 | D607 | B-6 |
| Q003 Q004 | D-1 E-1 | D608 D609 | C-7 B-6 |
| 2005 | C-1 | D610 | B-4 |
| 0006 | C-1 | D611 | D-6 |
| 0007 | F-2 | D612 | A-4 |
| 0008 0009 | F-2 C-3 | D613 D614 | A-5 A-5 |
| Q010 | A-2 | D614 | D-5 |
| Q251 | E-4 | D617 | B-6 |
| Q261 | D-4 | D618 | D-5 |
| Q271 Q502 | C-5 F-5 | D619 D620 | B-6 D-5 |
| Q502 | E-6 | D620 | B-6 |
| Q506 | E-6 | D622 | D-5 |
| Q507 | G-5 | D623 | B-4 |
| Q598 | G-1 | D624 | B-4 D-5 |
| Q601 Q602 | B-3 B-8 | D630 D801 | F-8 |
| Q603 | B-4 | D802 | F-10 |
| Q604 | A-6 | D803 | G-10 |
| Q605 | D-5 | D804 | E-7 |
| 0606 | C-4 | D805 D806 | E-7 E-9 |
| Q607 Q608 | D-5 C-4 | D808 | D-9 |
| Q609 | C-4 | | |
| Q801 · | G-4 | | |
| Q804 Q805 | E-10 F-7 | VARI | ABLE |
| | | RESISTOR | |
| | | RV501 | F-5 |
| סומ | DE | RV502 | G-7 |
| | | RV601 | A-7 |
| D003 D005 | A-2 G-1 | | |
| D005 | G-1 F-1 | | |
| D007 | A-2 | Т | Р |
| D009 | E-1 | · | |
| D010 | | TPO1 | േര 1 |
| D010 D011 | G-1 G-1 | TP91 | G-9 |







• D BOARD

| 10001 | | Y |
|--|--|--|
| | SDA20560-A008 | TUNING CTL |
| 10002 | MC14051BCP | ON SCREEN DISPLAY |
| 10003 | BA4558 | AFT COMPARATORE |
| 10005 | SĐA2546 | MEMORY |
| IC251 | TDA2050 | AUDIO OUT (L) |
| IC261 | TĐA2050 | AUDIO OUT (R) |
| IC501 | TEA2028B | DEFLECTION PROCESSOR |
| 1C502 | TĐA8170 | V OUT |
| 10601 | TEA2260 | PRIMARY SMPS CTL |
| 1C604 | TEA7605 | +5V REG |
| 1C608 | TYA7812CT | +12V REG |
| 1.000 | TTATOTZCT | 1121 (120 |
| 9001 | ÐTC144EK | 50/60Hz SW |
| Q002 | DTC144EK | BLK SW |
| 0003 | 25A1037-K | SYNC SEPARATOR |
| Q004 | 25A1037-K | SYNC SEPARATOR |
| Q005 | DTC144EK | Y/C SW |
| 0006 | DTC144EK | FRONT/REAR SW |
| | 25C2412-K | MODE 2 SWITCH |
| Q007 | | |
| Q008 | 25C2412-K | MODE 1 SWITCH |
| 0009 | 25C2412-K. | MUTE SW |
| 0010 | 2SC2412-K | RESET |
| Q251 | 25C2412-K | AUDIO MUTE |
| Q261 | 25C2412-K | AUDIO MUTE |
| Q271 | 25C2412-K | VOLTAGE DETECT |
| Q502 | 25A1037-K | CONSTANT CURRENT SOURCE |
| 0505 | 2SÐ774-4 | V CENT |
| 0506 | 25B743-3 | V CENT |
| 0507 | 25A1037-K | CANAL +BLK |
| Q598 | 25A1037-K | VIĐEO AMP |
| 0601 | 2SB1357T114EF | STBY SW |
| Q602 | 25 0 1548 | REG OUT |
| Q603 | 2SB1357T114EF | STBY SW |
| Q604 | 25A1037-K | FAST ON/OFF |
| Q605 | 25C2412-K | STBY SW |
| Q606 | 25C2412-K | STBY SW |
| Q607 | 2502096-EF | +12V REG |
| 0608 | 25C2412-K | STBY SW |
| Q609 | 25Đ789-3 | STBY SW |
| Q801 | 2SC2412-K | ABL AMP |
| Q804 | 2501941-06 | H OUT |
| 9805 | 25C2688 | U 2011/50 |
| 9003 | 2302000 | H AHIVEH |
| 2007 | | |
| | 155133 | HUE CTL |
| 0005 | MTZJ5.6B | PROT |
| 900G | MTZJ33A | VC VOLTGE REGULATION |
| Đ007 | MTZJ3.9B | PLOT RESET |
| £009 | MTZJ5.6B | CLIPPING SYNC LEVEL |
| Đ010 | MTZJ6.2B | PROT |
| | MT7 1/ 2D | DDOT |
| Đ011 | MTZJ6.2B | PROT |
| Đ011 Đ012 | 155133 | PROT |
| | | |
| Đ012 | 155133 | PROT |
| Đ012 Đ013 | 155133 MTZJ6.8C MTZJ13B 155133 | PROT PROT |
| Đ012 Đ013 Đ271 | ISS133 MTZJ6.8C MTZJ13B | PROT PROT VOLTAGE DETECT |
| Đ012 Đ013 Đ271 Đ272 | 155133 MTZJ6.8C MTZJ13B 155133 | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO |
| Đ012 Đ013 Đ271 Đ272 Đ501 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT |
| Đ012 Đ013 Đ271 Đ272 Đ501 Đ504 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08Đ | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) |
| 0012 0013 0271 0272 0501 0504 0506 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL |
| 0012 0013 0271 0272 0501 0504 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN |
| 9012 9013 9271 9272 9501 9504 9506 9508 9509 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT |
| 0012 0013 0271 0272 0501 0504 0508 0509 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT |
| 0012 0013 0271 0272 0501 0504 0508 0508 0509 0511 0512 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT |
| 0012 0013 0271 0272 0501 0504 0508 0508 0509 0511 0512 0513 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT (KV-C2951D ONLY) |
| 0012 0013 0271 0272 0501 0504 0508 0508 0509 0511 0512 0513 0514 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT (KV-C2951D ONLY) PROT (KV-C2951D ONLY) |
| 0012 0013 0271 0272 0501 0504 0508 0508 0511 0512 0513 0514 0515 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT (KV-C2951D ONLY) CKV-C2951D ONLY) CKV-C2951D ONLY) CKV-C2951D ONLY) CKV-C2951D ONLY) CKV-C2951D ONLY) |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D006 ## D008 ## D009 ## D011 ## D012 ## D013 ## D012 ## D013 ## D012 ## D013 ## D013 ## D014 ## D015 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 B4SB60L-F RGP10G | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT (KV-C2951D ONLY) AC RECT REF RECT |
| 0012 0013 0271 0272 0501 0504 0508 0508 0511 0512 0513 0514 0515 0601 0602 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 B4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT (KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 |
| 9012 9013 9271 9272 9501 9504 9506 9508 9509 9511 9512 9513 9514 9515 9601 9602 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) (KV-C2951D ONLY) (KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D014 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP08D | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT (KV-C2951D ONLY) KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 |
| 9012 9013 9271 9272 9501 9504 9506 9508 9509 9511 9512 9513 9514 9515 9601 9602 9603 9604 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP08D GP08D GP08D | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT CKV-C2951D ONLY) KV-C2951D ONLY) KV-C2951D ONLY) CARECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D014 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) KV-C2951D ONLY) KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT REF RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) KV-C2951D ONLY) KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT CKV-C2951D ONLY) KV-C2951D ONLY) CARECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT CKV-C2951D ONLY) |
| ## D012 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT **TONE TONE TO |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT +135V RECT +7V RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF-I +14V RECT AF V RECT AF V RECT-1 |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 JSS133 D4SB60L-F RGP10G GP08D | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT PROT (KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT 4F V RECT-1 AF V RECT-2 |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D GP0 | PROT PROT PROT VOLTAGE BETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT +14V RECT +135V RECT AF V RECT-2 +12V REF |
| ## D012 ## D013 ## D014 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D ĐA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 P4SB60L-F RGP10G GP08D GP | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CURENT (KV-C2951D ONLY) PROT PROT PROT PROT PROT PROT PROT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT +135V RECT AF V RECT-2 +12V REF PRIT |
| ## D012 ## D013 ## D014 ## D015 ## D016 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551D ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT (KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT +135V RECT AF V RECT-2 +12V REF PRIT +12V REF |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D013 ### D013 ### D014 ### D015 ### D016 ### | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT FAST ON/OFF-1 +114V RECT +135V RECT-1 AF V RECT-2 +12V REF PRIT +12V REF FAST ON/OFF-2 |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D013 ### D013 ### D014 ### D015 ### D016 #### D016 #################################### | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K | PROT PROT VOLTAGE BETECT BECOUPING MUTE AUBIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT PROT (KV-C2951B ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT +135V RECT +14V RECT +14V RECT -14V RECT -14V RECT -14V REF PRIT +12V REF PRIT +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-2 +12V REF |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D013 ### D013 ### D014 ### D015 ### D016 #### D016 #################################### | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP08D GP10G GP10G GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J | PROT PROT VOLTAGE BETECT BECOUPING MUTE AUBIO START V PULSE OUT CURRENT (KV-C2551B ONLY) CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT (KV-C2951B ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT +135V RECT +144V RECT 4F V RECT-1 AF V RECT-1 AF V RECT-2 +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D013 ### D013 ### D014 ### D015 ### D016 #### D016 #################################### | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP08D GP10G GP10G CF025-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT 4F V RECT-1 AF V RECT-2 +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D013 ### D013 ### D014 ### D016 #### D016 ### D016 ## | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP08D GP10G CF08D GP10G RGP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J RGP15J RGP15J RGP15J RTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A ISS133 ISS133 | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT +135V RECT-1 AF V RECT-2 +12V REF PRIT +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D014 ### D015 ### D016 ### | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP08D GP10G GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A ISS133 ISS133 | PROT PROT PROT VOLTAGE DETECT BECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT CKV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT +135V RECT +7V RECT AF V RECT-2 +12V REF PRIT +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT BECOUPING STBY BECOUPING STBY |
| ### D012 ### D013 ### D013 ### D013 ### D013 ### D014 ### D015 ### D016 ### | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP10G GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 MTZJ15A | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT (KV-C2951D ONLY) KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT AF V RECT-2 +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D006 ## D009 ## D011 ## D012 ## D013 ## D010 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A ISS133 MTZJ15A RGP10G | PROT PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT PROT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT +135V RECT-1 AF V RECT-1 AF V RECT-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT PROT PROT REF RECT PLUSE GUIPER FAST ON/OFF-3 PROT PROT PROT PROT REF RECT PROT PROT REF RECT PROT PROT REF RECT PLUSE CLIPPER FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY DECOUPING STBY PLUV REF +27V RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D006 ## D009 ## D011 ## D012 ## D013 ## D010 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP10G ERC25-06S MTZJ3A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S ERD15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A ISS133 ISS133 MTZJ5.6B MTZJ33A ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 MTZJ15A RGP10G RGP10G | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT (KV-C2951D ONLY) KV-C2951D ONLY) AC RECT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT AF V RECT-2 +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D006 ## D009 ## D011 ## D012 ## D013 ## D010 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A ISS133 MTZJ15A RGP10G | PROT PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT PROT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT +135V RECT-1 AF V RECT-1 AF V RECT-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT PROT PROT REF RECT PLUSE GUIPER FAST ON/OFF-3 PROT PROT PROT PROT REF RECT PROT PROT REF RECT PROT PROT REF RECT PLUSE CLIPPER FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY DECOUPING STBY PLUV REF +27V RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D006 ## D009 ## D011 ## D012 ## D013 ## D010 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP10G ERC25-06S MTZJ3A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S ERD15J RGP15J RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A ISS133 ISS133 MTZJ5.6B MTZJ33A ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 ISS133 MTZJ15A RGP10G RGP10G | PROT PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT PROT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT FAST ON/OFF-1 +14V RECT +135V RECT-1 AF V RECT-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY PROT V V V V V V V V V V V V V V V V V V V |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D005 ## D009 ## D009 ## D001 ## D001 ## D002 ## D002 ## D003 ## D003 ## D004 ## D005 ## D006 ## D007 ## D008 ## D009 ## D001 ## D00 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A ISS133 MTZJ15A RGP10G RGP02-17 GP08D GP08D | PROT PROT PROT VOLTAGE BETECT BECOUPING MUTE AUBIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT REF RECT SMPS ORIVE 1 SMPS ORIVE 3 +12V RECT REF RECT PLUSE CLIPPER FAST ON/OFF-1 +14V RECT +135V RECT-1 AF V RECT-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT BECOUPING STBY +12V REF +27V RECT +20V RECT +20V RECT +20V RECT +20V RECT +20V REF FAST ON/OFF-3 PROT BECOUPING STBY +12V REF +22V RECT +20V RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D005 ## D009 ## D011 ## D012 ## D013 ## D010 ## D01 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S RGP15J RGP15R RGP15R RGP15R RGP15R RGP15R RGP15R RG | PROT PROT VOLTAGE DETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT REF RECT SMPS DRIVE 1 SMPS DRIVE 3 +12V RECT REF RECT +13SV RECT +13SV RECT-1 AF V RECT-2 +112V REF FAST ON/OFF-2 +112V REF FAST ON/OFF-3 PROT DECOUPING STBY DECOUPING STBY DECOUPING STBY DECOUPING STBY +12V RECT -200V RECT GERCT GERCT GERCT GERCT H CENTER-1 |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D005 ## D009 ## D009 ## D001 ## D001 ## D002 ## D002 ## D003 ## D003 ## D004 ## D005 ## D006 ## D007 ## D008 ## D009 ## D001 ## D00 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D MTZJ4.7B ISS133 ISS133 ISS133 ISS133 D4SB60L-F RGP10G GP08D GP08D GP08D GP08D GP08D GP10G ERC25-06S MTZJ33A CTU-12S ERD29-08J CTU-12S ERD29-08J CTU-12S RGP15J MTZJ6.2B ISS133 MTZJ5.6B MTZJ33A DA204K MTZJ33A ISS133 MTZJ15A RGP10G RGP02-17 GP08D GP08D | PROT PROT PROT VOLTAGE BETECT BECOUPING MUTE AUDIO START V PULSE OUT CURRENT (KV-C2551B ONLY) CANEL +BLK LEVEL V L IN PROT PROT PROT PROT PROT REF RECT SMPS DRIVE 1 SMPS DRIVE 2 SMPS DRIVE 3 +12V RECT FAST ON/OFF-1 +14V RECT +135V RECT-1 AF V RECT-2 +12V REF PRIT +12V REF FAST ON/OFF-2 +12V REF FAST ON/OFF-3 PROT DECOUPING STBY DECOUPING STBY DECOUPING STBY +12V RECT +27V RECT +200V RECT +27V RECT +27V RECT +22V REF +27V RECT +20V RECT +20V REF +27V RECT +20V RECT |
| ## D012 ## D013 ## D013 ## D013 ## D013 ## D013 ## D014 ## D004 ## D004 ## D005 ## D009 ## D001 ## D00 | ISS133 MTZJ6.8C MTZJ13B ISS133 ISS133 GP08D DA204K ISS133 ISS133 GP08D GP08D GP08D MTZJ4.7B ISS133 | PROT PROT PROT VOLTAGE BETECT DECOUPING MUTE AUDIO START V PULSE OUT CURRENT CANEL +BLK LEVEL V LIN PROT PROT PROT PROT PROT PROT PROT PROT |

• WAVEFORMS D BOARD

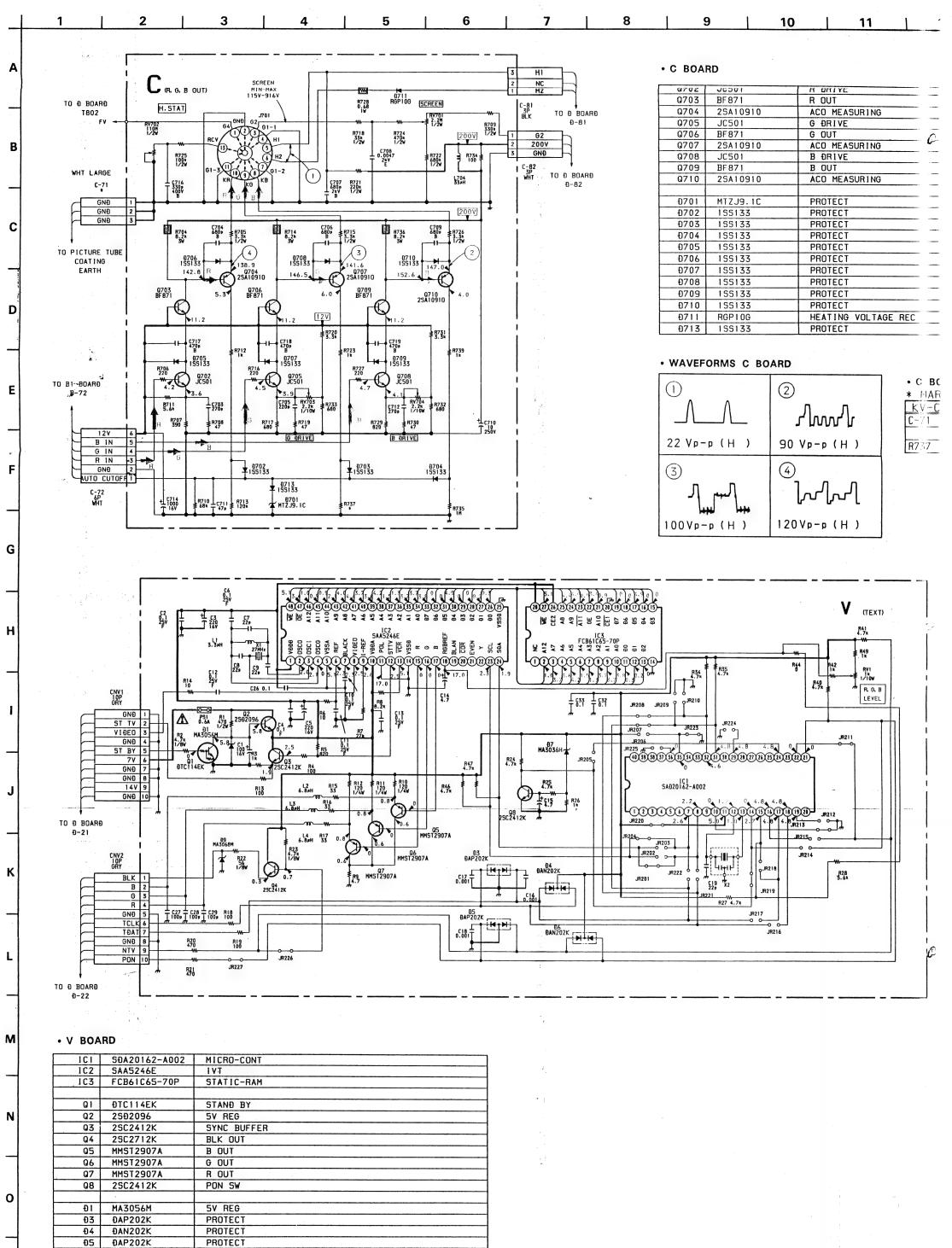
| • WAVEFORMS D BO | ARD | |
|------------------|-----------------|-------------------|
| | 2 | 3 |
| | | |
| 1.2Vp-p (H) | 4.0Vp-p (V) | 4.8Vp-p (V) |
| 4 | (5) | 6 |
| | | \ _\ |
| 4.0Vp-p (V) | 4.0 Vp-p (H) | 11.0Vp-p (H) |
| 7 | 8 | 9 |
| | | M |
| 14.0Vp-p(H) | 3.6Vp-p (H) | 0.1 Vp-p (503KMz) |
| 10 | (1) | (2) |
| Murral | _//_ | 1/// |
| 1.4Vp-p (H) | 0.7Vp-p (V) | 2.2Vp-p (V) |
| [3] | | (5) |
| | | lannrl |
| 29.0Vp-p (V) | 48.0Vp-p (V) | 3.2Vp-p (H) |
| | | (18) |
| | 1-1-1-1 | |
| 250 Vp-p (H) | 16.0Vp-p(H) | 900Vp-p (H) |
| | 20 | 2) |
| 12/2 | | |
| 180Vp-p (H) | 7.0Vp-p (V) | 48.0Vp-p (V) |
| 22 | 23 | |
| Mynnyh | \sqrt{M} | |
| 1.4Vp-p (H) | 2.8 Vp-p(12MHz) | |

• D BOARD

| * MARK | |
|------------------|------------------|
| KV-C2551Đ | KV-C2951Ð |
| C519 0.47 | C519 0.33 |
| C815 1 | C815 0.82 |
| C817 0.015 | C817 0.017 |
| C821 680p 2kV | C821 470p 2kV |
| | |
| Ð506 ÐA204K | Ð506 |
| Ð514 JW | Đ514 1SS133 |
| Đ515 | Đ515 1SS133 |
| | |
| Ð-88 | Ð-88 3P |
| 11/000 | |
| JW202 ——— | JW202 X |
| JW203 X | JW203 ——— |
| JW204 X | JW204 |
| JW205 | JW205 X |
| JW206 X | JW206 |
| JW207 X | JW207 |
| JW216 X | JW216 |
| JW229 X | JW229 |
| | |
| L801 | L801 3.9mH |
| DE OF 11 | 2505 |
| R525 1k | R525 ——— |
| R561 ——— | R561 270k |
| R570 ——— | R570 680 |
| R607 4.7k | R607 5.6k |
| R812 68k | R812 51k |
| R5503 4.7 | R5503 10 |
| R5506 ——— | R5506 12K |

X NOT MOUNTEÐ
TO BE MOUNTEÐ

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PROTECT

PROTECT

PROTECT

DAN202K

MA3036H

MA3068M

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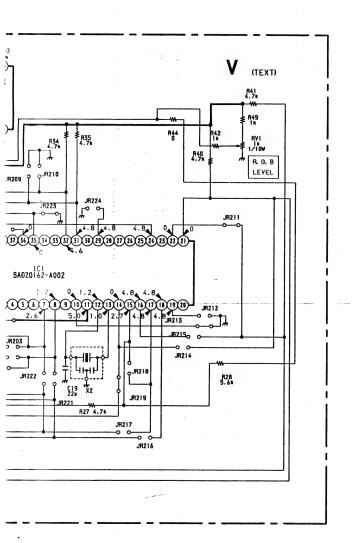
• C BOARD

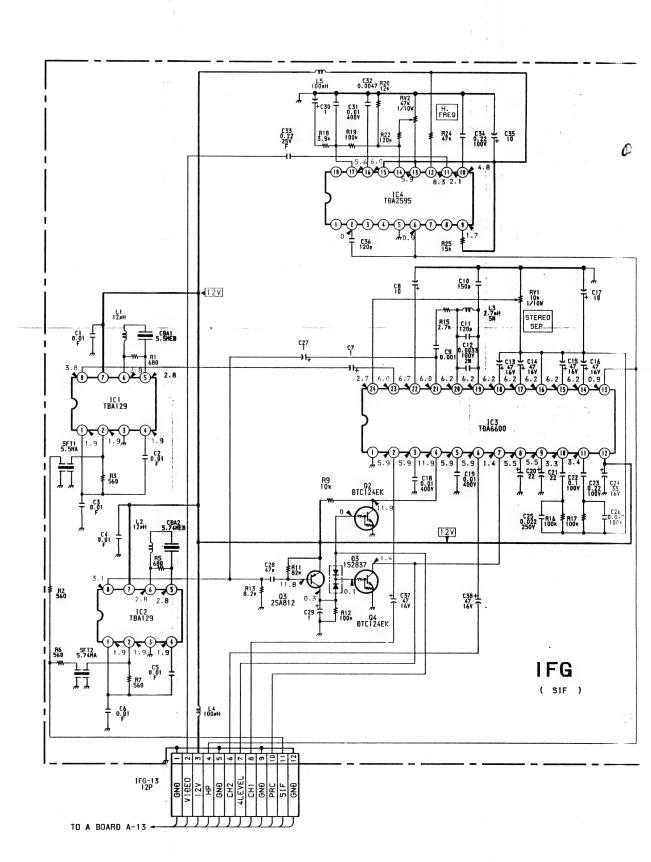
| Q7 02 | JC501 | R DRIVE |
|--------------|----------|---------------------|
| Q70 3 | BF871 | R OUT |
| Q7 04 | 2SA10910 | ACO MEASURING |
| 0705 | JC501 | G DRIVE |
| 0706 | BF871 | G OUT |
| Q7 07 | 25A10910 | ACO MEASURING |
| Q708 | JC501 | B DRIVE |
| 0709 | BF 871 | B OUT |
| Q71 0 | 25A10910 | ACO MEASURING |
| | | |
| Đ7 01 | MTZJ9.1C | PROTECT |
| £1702 | 155133 | PROTECT |
| Đ7 03 | 155133 | PROTECT |
| Đ7 04 | 155133 | PROTECT |
| Đ7 05 | 155133 | PROTECT |
| Đ706 | 155133 | PROTECT |
| Đ707 | 155133 | PROTECT |
| Đ708 | 155133 | PROTECT |
| £709 | 155133 | PROTECT |
| . Đ710 | 155133 | PROTECT |
| ; Đ711 | RGP10G | HEATING VOLTAGE REC |
| Đ713 | 155133 | PROTECT |

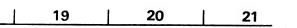
. WAVEFORMS C BOARD

| | 2 Jww.Jr |
|---------------------|---|
| 22 Vp-p (H) | 90 Vp-p (H) |
| (3) 100 Vp-p (H) | [4] \rangle \ |

• C BOARD * MARK KV-C25510 KV-C29510 C-71 2P C-71 3P R737 820k R737 470k



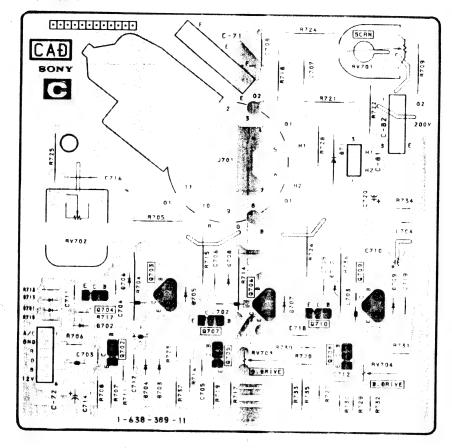






-C Board-

-V Board-

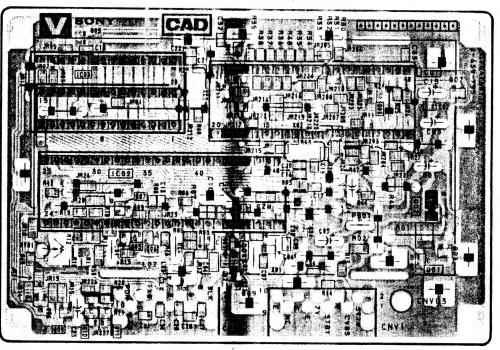


Note

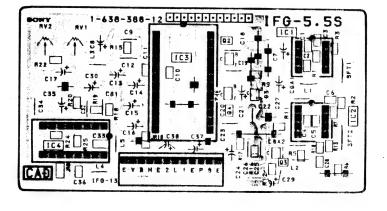
Pattern from the side which enables seeing.

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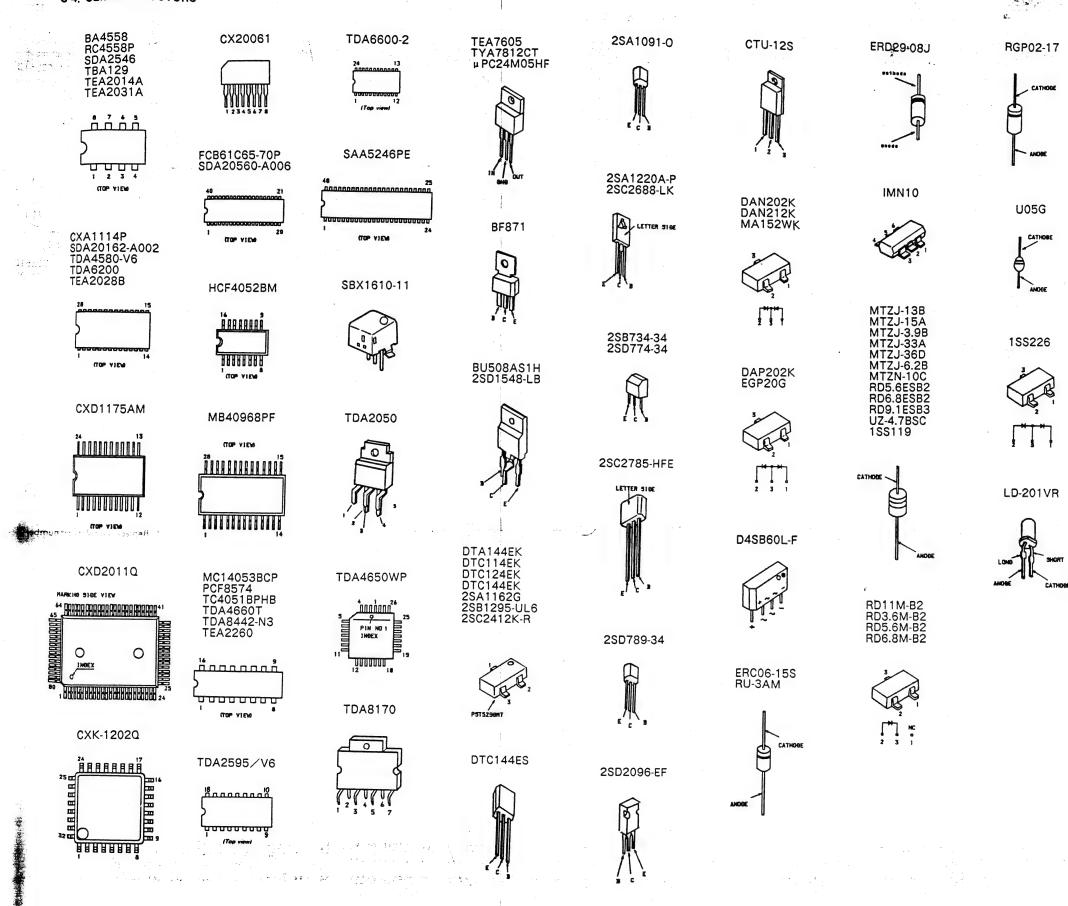
• (30000000): Pattern of the rear side.



-IFG5.5S Board-



5-4. SEMICONDUCTORS



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SECTION 6 EXPLODED VIEWS

cal for safety.

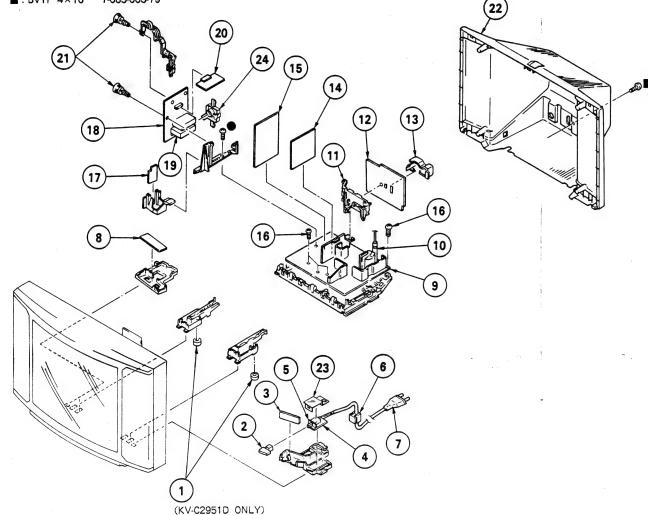
The components identified by shading and mark A are criti-

Replace only with part number

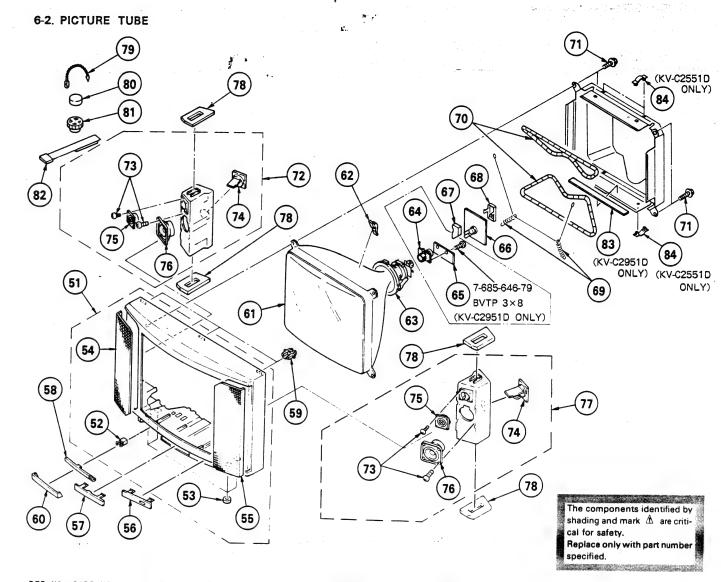
- Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

6-1. CHASSIS

- ●: BVTP 3×12 7-685-648-79
- ■: BVTP 4×16 7-685-663-79



| REF. NO. PART NO. DE | SCRIPTION REM. | ARK REF | F.NO. | PART NO. | DESCRIPTION | REMARK |
|---|--|-------------------|----------------------------------|--|--|-------------------------|
| 2 4-394-305-01 BUT 3 *1-638-392-11 H2 4 *1-638-390-11 F B 5 | CHION, FOOT (KV-C2951D ONLY) TON, POWER BOARD TOH, PUSH (AC POWER) DER, AC CORD D, POWER (WITH NOISE FILTER) BOARD OARD, COMPLETE (KV-C2551D ONLY) OARD, COMPLETE (KV-C2951D ONLY) KSFORMER ASSY, FLYBACK (UX-1650) CKET, J BOARD, COMPLETE (KV-C2951D ONLY) BOARD, COMPLETE (KV-C2951D ONLY) BOARD, COMPLETE (KV-C2951D ONLY) BOARD, COMPLETE (KV-C2951D ONLY) CKET, TERMINAL | 1 1 1 1 2 2 2 2 2 | 15 16 17 18 19 20 21 44 44 43 43 | A-1621-013-A A-1621-015-A 4-364-802-00 1-638-393-11 A-1632-022-A 1-465-301-11 A-1654-004-A 4-386-618-01 4-200-224-11 4-394-312-14 4-200-224-01 1-394-312-21 1-200-274-21 | V BOARD, COMPLETE B1 BOARD, COMPLETE (KV-C2551D B1 BOARD, COMPLETE (KV-C2951D SCREW (3.5X13) J2 BOARD A BOARD, COMPLETE TUNER, ET (UV-816(PLL)) IFG BOARD, COMPLETE RIVET, T TYPE COVER, REAR (GREY) (KV-C2551D COVER, REAR (GREY) (KV-C2951D COVER, REAR (BLACK) (KV-C2951D COVER, REAR (BLACK) (KV-C2951D COVER, REAR (BLACK) (KV-C2951D COVER, REAR (BLACK) (KV-C2951D COVER, POWER SWITCH HOLDER, TERMINAL | ONLY) ONLY) ONLY) ONLY) |



| REF. | NO. PART NO. | DESCRIPTION | REMARK | REF. | O. PART NO. | DESCRIPTION | | REMARK |
|----------|--|---------------------|--|-------|--------------------------------|--|-------------------|-----------|
| 51, | X-4200-070-1 X-4200-068-1 | |)(KV-C2551D ONLY)52-55)(KV-C2951D ONLY)52-55 | | ▲ 1-452-509-42 | NECK ASSY, PICTURE TUB | | וע זווט מ |
| | X-4200-070-2 | CABINET ASSY (GREY) | (KV-C2551D ONLY)52-55 | 65 | *1-634-193-11 | VM BOARD (KV-C2951D ON | (KV-C295) (LY) | |
| 52 53 | X-4200-068-2 4-392-036-01 | CATCHER, PUSH | (KV-C2951D ONLY)52-55 | 1 | *A-1638-011-A *A-1638-013-A | C BOARD, COMPLETE (KV- C BOARD, COMPLETE (KV- | C2551D UNLY | () () |
| 53 | 4-809-913-99 | FOOT, F | | 67 | *4-379-167-01 | COVER (MAIN), CV | | • |
| 54 | X-4200-069-1 | PLATE ASSY (L) (BL | ACK) (KV-C2551D ONLY) | 68 | *4-379-160-01 4-303-774-99 | | ` | |
| | X-4200-067-1 X-4200-069-2 | | ACK) (KV-C2951D ONLY) EY) (KV-C2551D ONLY) | ! 09 | 4-369-318-00 | | 9510 (NIY) | |
| | X-4200-067-2 | | EY) (KV-C2951D ONLY) | 70 | ₾ 1-426-372-11 | | | ONLY) |
| 55 | X-4200-075-1 | PLATE ASSY (R) (BL. | ACK) (KV-C2551D ONLY) | 1 | ₾ 1-426-398-11 | COIL, DEMAGNETIZATION | (KV-C2951D | ONLY) |
| | X-4200-074-1 | PLATE ASSY (R) (BL | ACK) (KV-C2951D ONLY) | 71 72 | 4-373-263-11 *A-1678-020-A | SCREW (M), PT BOX ASSY (LEFT), SPEAK | CD | 72 76 |
| | X-4200-075-2 X-4200-074-2 | PLATE ASSY (R) (GR | EY) (KV-C2551D ONLY) | 73 | 4-364-802-00 | SCREW (3.5X13) | En | 73-76 |
| 56 | 4-394-315-01 | WINDOW, ORNAMENTAL | DI/ (R. C2)310 OND1/ | 74 | 1-236-510-11 | NETWORK, DIVIDING | | |
| 57 | 4-200-222-01 | COVER, FRONT (KV-C | 2551D ONLY) | 75 | 1-544-146-11 | SPEAKER | | |
| 58 | 4-200-266-01 4-394-330-12 | CUVER, FRUNT (KV-C) | 295ID ONLY) | 77 | 1-544-147-11 *A-1678-019-A | SPEAKER BOX ASSY (RIGHT), SPEA | VED | 72 76 |
| 70 | 4-200-483-12 | DOOR (GREY) (KV-C2 | 951D ONLY) | 78 | 4-300-217-01 | CUSHION, BOX (KV-C2551) | D ONLY) | 73-76 |
| | 4-394-330-21 | DOOR (BLACK) | | | *4-394-306-01 | CUSHION, BOX (KV-C2951) | D ONLY) | |
| 59 | 4-382-745-01 | HOLDER, RC | EY) (RY-C2551D ONLY) EY) (RY-C2951D ONLY) 2551D ONLY) 2551D ONLY) 551D ONLY) 551D ONLY) 551D ONLY) | 79 | 4-308-870-00 | CLIP, LEAD WIRE | | |
| 60 61 | 4-200-390-81 A. 8-733-224-05 | | VC60X) (KV-C2551D ONLY) | | 1-452-032-00 1-452-094-00 | MAGNET, DISK; 10MM & MAGNET, ROTATABLE DISK | . 15WW A | |
| | A 8-733-823-05 | | (K60X) (KV-C2951D ONLY) | 82 | X-4306-312-0 | PERMALLOY ASSY, CONVERG | | |
| 62 | 3-704-495-01 | SPACER, DY | • | 83 | 3-651-853-01 | CUSHION (KV-C2951D ONL) | Y) | |
| | Δ 1-451-311-21 | DEFLECTION YOKE (YZ | 25FXA) (KV-C2551D ONLY) | 84 | *4-385-916-01 | HOLDER (D) (KV-C2551D (| ONLY) | |
| | ▲ 1-451-313-21 | DEFLECTION TURE (12 | 29FXA) (KV-C2951D ONLY) | | | | | |
| | | | | | | | | |

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SECTION 7 ELECTRICAL PARTS LIST

NOTE:

specified. The second secon

The components identified by shading and mark .". are critical for safety. Replace only with part number

(tems marked " - " are not obooked since they are seldom required for noutine service. Nome delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

 All variable and adjustable resistors have characteristic curve 3. inless otherwise noted.

DAPACITORS DIES :

RESISTORS

- All resistors are in onws F : nonflammable

| REF. NO | | DESCRIPTION | | | | | | | | REMARK |
|--------------------------------------|--|--|--|---|--|--|--|--|---|---|
| | 4-1621-013-A 4-1621-015-A | 31 SOARD, COMPLETE 31 SOARD, COMPLETE | (KV-025510 (KV-029510 | ONLY) | 0340 0341 0342 | 1-126-103-11 1-164-232-11 1-124-903-11 | ELECT CERAMIC CHIP ELECT | 470MF 0.01MF 1MF | 20 % | 16V 50V 50V |
| | <00N | NECTOR> | 20488 | | 0343 0344 0345 0346 | | CERAMIC CHIP | | | 25V 50V 100V 100Y 100Y |
| B31 B32 B33 S72 673 | *1-555-393-11 *1-555-393-11 *1-565-381-51 *1-565-378-51 | CONNECTOR, SOARD TO CONNECTOR, BOARD TO CONNECTOR, BOARD TO PIN, CONNECTOR 6P PIN, CONNECTOR 3P | BOARD BOARD | | G348 G349 G350 G351 | 1-137-098-11 1-137-102-11 1-137-102-11 1-124-902-00 1-137-102-11 1-164-232-11 | FILM FILM SLECT FILM | 0.022MF 0.022MF 0.022MF 0.47MF 0.022MF | 10% | 250Y 250Y 50Y |
| | <cap< td=""><td>ACITOR></td><td></td><td>_</td><td>C352</td><td>1-164-232-11</td><td>CERAMIC CHIP</td><td>0.0IMF</td><td>20*</td><td>250v 50v</td></cap<> | ACITOR> | | _ | C352 | 1-164-232-11 | CERAMIC CHIP | 0.0IMF | 20* | 250 v 50 v |
| C301 C302 C303 C304 C305 | 1-137-031-11 1-137-031-11 1-124-122-11 1-137-031-11 1-164-232-11 | NECTOR> CONNECTOR. SOARD TO CONNECTOR. BOARD TO CONNECTOR. BOARD TO FIN. CONNECTOR 6P PIN, CONNECTOR 3P ACITOR> FILM 0.22MF | 10% 10% 10% 10% | 100V 100V 50V 100V 50V | 0354 0354 0356 0357 0358 | 1-126-101-11 1-164-232-11 1-126-101-11 1-164-232-11 1-164-232-11 | | | | 167 507 167 507 507 |
| C306 C307 C308 C309 C310 | 1-124-902-00 1-124-902-00 1-124-902-00 1-124-902-00 1-137-098-11 | ELECT 0.47MF SLECT 0.47MF ELECT 0.47MF ELECT 0.47MF FILM 0.1MF | 30* | SOA AUS | 0363 0371 0372 | l-164-232-11 1-164-232-11 1-163-033-00 1-164-232-11 1-124-477-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT | 0.01MF 0.01MF 0.002MF 0.01MF 47MF | 20% | 507 507 507 507 167 |
| C311 C312 C313 C314 C315 | 1-137-698-11 1-124-902-00 1-124-902-00 1-124-902-00 1-124-903-11 | FILM 0.1MF BLECT 0.47MF BLECT 0.47MF BLECT 0.47MF | 10% 20% 20% 20% | 100V 50V 50V 50V | C373 C374 C375 C376 C377 | 1-124-477-11 1-163-090-00 1-163-090-00 1-124-034-51 1-124-119-00 | ELECT CERAMIC CHIP CERAMIC CHIP ELECT ELECT | 47MF 7PF 7PF 33MF 330MF | 20% 0.25PF 0.25PF 20% 20% | 16V 50V 50V 16V 16V |
| C316 C317 C318 C319 C320 | 1-124-927-11 1-164-232-11 1-124-927-11 1-124-927-11 1-124-910-11 | ELECT 4.7MF CERAMIC CHIP 0.01MF ELECT 4.7MF ELECT 4.7MF ELECT 47MF | 20 % | 50 V 50 V 50 V 50 V 50 V | C378 C379 C380 C381 C382 | 1-124-034-51 1-163-090-00 1-163-090-00 1-163-105-00 1-163-121-00 | ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 33MF 7PF 7PF 33PF 150PF | 20% 0.25PF 0.25PF 5% | 16V 50V 50V 50V 50V |
| C321 C322 C323 C324 C325 | 1-137-027-11 1-163-077-00 1-164-232-11 1-164-232-11 1-163-038-00 | FILM 0.82MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF | 10% | 63V 50V 50V 50V | 0333 0384 0385 0386 0387 | 1-163-197-00 1-163-103-00 1-163-093-00 1-163-117-00 1-163-113-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 470PF 27PF 10PF 100PF 68PF | 55.55.55.55.55.55.55.55.55.55.55.55.55. | 50V 50V 50V 50V 50V |
| C326 C327 C328 C329 C330 | 1-124-910-11 1-124-910-11 1-163-038-00 1-163-123-00 1-163-125-00 | FILM 0.82MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF ELECT 47MF ELECT 47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 180PF CERAMIC CHIP 120PF | 20% 20% | 50Y 50Y 50Y 50Y 50Y | 0388 0389 0390 0391 0392 | 1-164-232-11 1-163-097-00 1-124-907-11 1-124-907-11 | CERAMIC CHIP CERAMIC CHIP ELECT ELECT ELECT | 0.01MF 15PF 10MF 10MF 10MF | 5% 20% 20% 20% | 50V 50V 50V 50V 50V |
| C331 C332 C333 C335 C337 | 1-137-098-11 1-137-098-11 1-163-103-00 1-163-119-00 1-163-103-00 | FILM 9.1MF FILM 9.1MF CERAMIC CHIP 17PF CERAMIC CHIP 120PF CERAMIC CHIP 27PF | 11111111111111111111111111111111111111 | 100 V 100 V 100 V 50 V 50 V | . 0393 0394 0395 0396 1 0397 | 1-126-101-11 1-126-101-11 | TLSCT RLECT BLBCT BLBCT RLECT RLEM | 100MF 100MF 100MF 100MF 1MF | 20% 20% 20% 10% | 16V 16V 16V 16V 63V |
| C338 C339 | 1-137-102-11 1-164-232-11 | FILM 0.022M CERAMIC CHIP 0.01MF | e saw | 150V 50V | 0398 0399 01301 | 1-124-967-11 1-163-038-00 1-163-105-00 | ELECT CERAMIC CHIP CERAMIC CHIP | 10MF 9.1MF 33PF | 30. | 50 V 25 V 50 V |

REMARK

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| REF.NG. | PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | |
| C1302 C1303 C1304 C1305 C1306 | 1-163-235-11 1-163-038-00 1-124-907-11 1-126-101-11 1-163-038-00 | CERANIC CHIP 22PF CERAMIC CHIP 0.1MF ELECT 10MF ELECT 100MF | 5% 20% 20% | 50V 25V 50V 16V 25V | 1 | <dela 1-415-613-11="" <fil<="" td=""><td>Y LINE> DELAY LINE, Y</td><td>i</td></dela> | Y LINE> DELAY LINE, Y | i |
| C1307 C1308 C1309 C1310 | 1-163-038-00 1-163-038-00 1-164-232-11 1-164-232-11 | | | 25V 25V 50V | FL302 | 1-236-620-11 1-236-620-11 1-236-620-11 1-236-164-11 | FILTER, LOW F FILTER, LOW F FILTER, LOW F | ASS ASS |
| C1312 C1313 C1314 C1315 C1316 | 1-163-038-00 1-163-038-00 1-163-109-00 1-163-038-00 1-163-141-00 | CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 47PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.001MF | 5% 5% | 25V 25V 50V 25V 50V | 10302 | <1C> 8-759-517-43 8-759-980-60 8-759-510-48 | IC TDA4580/V7 | 7 |
| C1317 C1318 C1319 | 1-163-038-00 1-163-038-00 1-164-232-11 | CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF | | 25V 25V 50V 50V 50V | 1C304 1C305 1C306 1C308 | 8-759-510-47 8-759-144-84 8-759-510-50 8-752-006-12 | IC TDA4650WP IC UPC24M05HF IC HCF4052BM IC CX20061 | , |
| C1322 C1323 C1324 | 1-164-232-11 1-164-232-11 1-163-033-00 | CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.022MF CERAMIC CHIP 0.1MF | | 50V 50V 50V 25V 50V | 1C311 1C312 1C313 | 8-752-337-07 8-759-996-49 8-752-338-45 8-752-338-45 8-752-334-55 | IC MB40968PF IC CXK1202Q IC CXK1202Q | |
| C1327 C1328 C1329 C1330 C1331 | 1-163-115-00 1-163-809-11 1-163-035-00 1-164-232-11 1-164-187-11 | CERANIC CHIP 82PF CERANIC CHIP 0.047MF CERANIC CHIP 0.01MF CERANIC CHIP 0.01MF CERANIC CHIP 390PF | 5% 10% 10% 2% | 50V 25V 50V 50V 50V | L301 L303 L304 L305 | <pre><col 1-404-554-11="" 1-408-402-00<="" 1-408-405-00="" pre=""/></pre> | L> INDUCTOR COIL INDUCTOR INDUCTOR | 4.7UH 4.7UH 2.7UH |
| CT301 CT302 | 1-141-418-11 1-141-418-11 | MMER> CAP, ADJ CAP, ADJ | 20% | | L306 L308 L309 L310 L312 L313 | 1-408-405-00 1-404-495-00 1-408-415-00 1-408-419-00 1-404-495-00 1-404-554-11 | INDUCTOR | 4.70H 33UH 68UH |
| D301 D304 D305 | <pre><d10 8-719-951-22="" 8-719-989-26="" 8-719-989-26<="" pre=""></d10></pre> | DE> DIODE IMN10 DIODE DAN212K DIODE BAN212K DIODE BAN212K | | | L314 L320 L321 L323 L325 | 1-408-409-00 1-408-405-00 1-408-405-00 1-408-398-00 1-408-405-00 | INDUCTOR | 10UH 4.7UH 4.7UH 1.2UH 4.7UH |
| D307 D308 D309 D310 D311 D312 | 8-719-106-62 8-719-989-26 8-719-989-26 8-719-106-62 8-719-106-62 8-719-106-62 | DIODE RD11M-B2 DIODE DAN212K DIODE DAN212K DIODE RD11M-B2 DIODE RD11M-B2 DIODE RD11M-B2 | | | L326 L327 L1301 | 1-408-421-00 1-408-402-00 1-408-425-00 | INDUCTOR INDUCTOR INDUCTOR | 100UH 2.7UH 220UH |
| D314 D318 D319 D320 D321 D322 | 8-719-800-76 8-719-800-76 8-719-800-76 8-719-600-76 8-719-105-91 | DIODE 1SS226 DIODE 1SS226 DIODE 1SS226 DIODE 1SS226 DIODE RD5.6M-B2 DIODE MA152WK | | | 0301 | 1-532-605-91 <tra 8-729-120-28</tra | LINK, IC (ICP NSISTOR> TRANSISTOR 2S | |
| D330 D331 D333 D336 | 8-719-400-18 8-719-989-26 8-719-914-44 8-719-951-22 \$-719-400-18 | DIODE DAN212N DIODE DAP202N DIODE IMN10 DIODE MA152WK | | | Q302 Q303 Q304 Q305 | 8-729-120-28 8-729-120-28 8-729-120-28 8-729-901-06 8-729-120-28 | TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S | SC1623-L5L6 SC1623-L5L6 SC1623-L5L6 A144EK |
| D340 D341 | £-719-800-76 £-719-989-26 | DIODE 188226 DIODE DAN212K | | | Q307 Q308 Q310 Q311 | 8-729-120-28 8-729-901-00 8-729-901-00 8-729-901-00 | TRANSISTOR 2S TRANSISTOR DT TRANSISTOR DT TRANSISTOR DT | SC1623-L5L6 C124EK C124EK C124EK C124EK |
| | | | | | Q320 Q321 Q322 | 8-729-120-28 8-729-216-22 8-729-216-22 | TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S | SA1162-G |

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| REF.NO. PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | | | REMARK |
|--|---|-----------------------|--------------------------------------|--|---|------------------------------------|----------------------------|--|
| Q323 8-729-120-28 Q324 8-729-120-28 Q327 8-729-216-22 Q328 8-729-216-22 Q329 8-729-216-22 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G | | R309 R310 R311 R312 | 1-216-025-00 1-216-025-00 1-216-025-00 1-216-019-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 100 100 56 | 552255 | 1/10W 1/10W 1/10W 1/10W |
| Q330 8-729-120-28 Q331 8-729-216-22 Q332 8-729-216-22 Q333 8-729-901-00 Q334 8-729-901-00 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR DTC124EK TRANSISTOR DTC124EK | | R313 R314 R316 R317 R318 | 1-216-019-00 1-216-019-00 1-216-081-00 1-216-033-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 56 56 22K 220 10K | | 1/10W 1/10W 1/10W 1/10W 1/10W |
| Q335 8-729-120-28 Q336 8-729-120-28 Q337 8-729-120-28 Q338 8-729-216-22 Q339 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 | | R319 R320 R321 R322 R323 | 1-216-073-00 1-216-198-00 1-216-073-00 1-216-057-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 10K 10K 10K 2.2K | 5% 5% 5% 5% | 1/10W 1/8W 1/10W 1/10W 1/10W |
| Q340 8-729-120-28 Q341 8-729-120-28 Q342 8-729-120-28 Q343 8-729-120-28 Q344 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | R324 R325 R326 R327 R328 | 1-216-049-00 1-216-033-00 1-216-009-00 1-216-009-00 1-216-009-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1 K 220 22 22 22 22 | 57 | 1/10W 1/10W 1/10W 1/10W 1/10W |
| Q345 8-729-120-28 Q346 8-729-120-28 Q347 8-729-120-28 Q348 8-729-901-00 Q350 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC124EK TRANSISTOR 2SC1623-L5L6 | | R329 R330 R331 R332 R333 | 1-216-031-00 1-216-031-00 1-216-031-00 1-216-182-00 1-216-033-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 180 180 180 220 220 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/3W 1/10W |
| Q352 8-729-216-22 Q353 8-729-120-28 Q354 8-729-120-28 Q355 8-729-120-28 Q356 8-729-216-22 | TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G | | R335 R336 R337 R338 R339 | 1-216-101-00 1-216-073-00 1-216-093-00 1-216-085-00 1-216-061-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 150K 10K 68K 33K 3.3K | 57777 | 1/10W 1/10W 1/10W 1/10W 1/10W |
| 0357 8-729-216-22 0358 8-729-120-28 0359 8-729-120-28 0361 8-729-120-28 | TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | R340 R341 R342 R343 | 1-216-103-00 1-216-115-00 1-216-069-00 1-216-043-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 180K 560K 6.8K 560 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W (KY-C2551D ONLY) |
| 0362 8-729-120-28 0363 8-729-120-28 0364 8-729-216-22 0365 8-729-216-22 0366 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G | | R344 R345 R346 | 1-216-057-00 1-216-089-00 1-216-097-00 1-216-033-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 2.2K 47K 100K 220 | 5% 5% 5% | 1/10W (KV-C2951D ONLY) 1/10W 1/10W 1/10W |
| 0367 8-729-120-28 0368 8-729-120-28 0369 8-729-120-28 0370 8-729-120-28 0371 8-729-120-28 | DESCRIPTION | 9 9 1 1 | R347 R348 R349 R350 R351 | 1-216-121-00 1-216-001-00 1-216-001-00 1-216-184-00 1-216-184-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1M 10 10 270 270 | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/8W 1/8W |
| 01301 8-729-901-00 01302 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 FRANSISTOR DTC124EK FRANSISTOR DTC124EK FRANSISTOR 2SC1623-L5L6 FRANSISTOR DTC124EK | 1 1 1 2 2 | R355 | 1-216-037-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 7.5K 10K 330 220 3.3K | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W |
| <res1:< td=""><td>STOR></td><td></td><td>R359 R361 R362</td><td>1-216-037-00 1-216-041-00 1-216-065-00 1-216-065-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>330 470 4.7K 4.7K</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td></res1:<> | STOR> | | R359 R361 R362 | 1-216-037-00 1-216-041-00 1-216-065-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 330 470 4.7K 4.7K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W |
| JR304 1-216-296-00 1 JR305 1-216-295-00 1 JR391 1-216-295-00 1 | #ETAL GLAZE 0 5% 1/10 #ETAL GLAZE 0 5% 1/80 #ETAL GLAZE 0 5% 1/10 #ETAL GLAZE 0 5% 1/10 #ETAL GLAZE 220 5% 1/10 | d OW OW | R364 R365 R366 | 1-216-033-00 1-216-035-00 1-216-069-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 6.8K 220 270 6.8K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W |
| R302 1-216-033-00 R303 1-216-033-00 R304 1-216-081-00 R305 1-216-057-00 R305 1-216-057-00 R305 R305 R305 R305 R305 R305 R305 R3 | METAL GLAZE 220 5% 1/16 METAL GLAZE 220 5% 1/16 METAL GLAZE 22K 5% 1/16 METAL GLAZE 2.2K 5% 1/16 METAL GLAZE 2.2K 5% 1/16 | CM CM CM | R368 R369 R370 | 1-216-071-00 1-216-071-00 1-216-097-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 6.8K 8.2K 8.2K 100K | 5% 5% | 1/10W 1/10W |
| R306 1-216-035-00 R307 1-216-097-00 | TELLE OF 210 22 1/10 | | R371 R372 | 1-216-049-00 1-216-033-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1 K 220 3.3 K | 5% | 1/10W = 24- 1/10W = 24- |

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| REF.N | O. PART NO. | DESCRIPTI | DN | | | REMARK | REF.NO | . PART NO. | DESCRIPTION | | | | REMARK |
|---|--|---|-----------------------------------|--|---|--------|---|---|---|--|----------------------------|--|--------|
| R374 R375 R376 R377 R378 | 1-216-043-0 | O METAL GLAZI | 220 560 2.2 22% 22% | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | R1341 R1342 R1343 R1344 | 1-216-667-11 1-216-025-00 1-216-037-00 1-216-077-00 1-216-025-00 1-216-075-00 1-216-075-00 1-216-039-00 1-216-071-00 1-216-065-00 1-216-071-00 1-216-055-00 1-216-045-00 1-216-055-00 1-216-049-00 1-216-081-00 | METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE | 4.7K 100 560 2.2K | 0.50 5% 5% | 1/10W 1/10W 1/10W | |
| R379 R380 R381 R382 R383 | 1-216-073-0 1-216-073-0 1-216-093-0 1-216-073-0 | O METAL GLAZE | 22K 10K 10K 68K 10K | 555555 | 1/10W 1/10W 1/10W 1/10W 1/10W | | R1347 R1348 R1349 R1350 | 1-216-077-00 1-216-025-00 1-216-025-00 1-216-085-00 1-216-075-00 1-216-039-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 15K 100 100 33K 12K 390 8.2K | 55% | 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R384 R385 R386 R387 R388 | 1-216-073-00 1-216-093-00 1-216-065-00 1-216-053-00 | O METAL GLAZE | 68K 10K 68K 4.7H 1.5K | 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | R1351 R1352 R1353 R1354 R1355 | 1-216-071-00 1-216-041-00 1-216-065-00 1-216-071-00 1-216-045-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 8.2K 470 4.7K 8.2K 680 | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R389 R390 R391 R392 R393 | 1-216-049-00 1-216-097-00 1-216-097-00 1-216-097-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 1008 | 24 | 1/10W | | R1360 | 1-216-049-00 | METAL GLAZE | 1 K 1 K | 57 | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R394 R395 R396 R397 R398 | 1-216-097-00 1-216-097-00 1-216-053-00 1-216-035-00 | METAL GLAZE HETAL GLAZE | 100K 100K 1.5K 270 | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | R1361 R1362 R1363 R1364 R1365 | 1-216-049-00 1-216-055-00 1-216-039-00 1-216-049-00 1-216-059-00 1-216-083-00 1-216-059-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1.8K 390 1K 2.7K 27K | | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R1301 R1302 R1303 R1305 | 1-216-065-00 1-216-089-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 33K 4.7K 47K 22K 1.5K | 0.50.50.50.50.50.50.50.50.50.50.50.50.50 | 1/10W 1/10W 1/10W 1/10W | | R1368 R1368 R1369 R1370 | 1-216-083-00 1-216-059-00 1-216-033-00 1-216-031-00 1-216-031-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 27K 2.7K 220 180 2.2K 180 | | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R1309 R1310 | 1-216-065-00 1-216-023-00 1-216-047-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 4.7K 82 | 5% | 1/10W (KY-C2951E | ONLY) | R1372 R1373 | 1-216-047-00 1-216-035-00 | METAL GLAZE METAL GLAZE | 820 270 | 5% 5% | 1/10W 1/10W 1/10W 1/8W 1/8W | |
| R1315 | 1-216-073-00 1-216-045-00 1-216-043-00 1-216-085-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 820 10K 680 560 33K | 55555 55555 | 1/10W 1/10W 1/10W 1/10W | | R1377 R1378 R1379 R1380 R1381 | 1-216-202-00 1-216-208-00 1-216-748-11 1-216-748-11 1-216-748-11 1-216-053-00 1-216-033-00 1-216-089-00 1-216-089-00 1-216-089-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 39K 39K 39K 1.5K | 52 52 52 52 | 1/10W 1/10W 1/10W 1/10W | |
| R1316 | 1-216-073-00 1-216-049-00 1-216-641-11 1-216-073-00 1-216-067-00 | METAL GLAZE | 1K 10K 1K 390 10K | 5% | 1/10W | | ** * > 0 > | 1 210 033 00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 47K 1.5K 47K 1.8K 820 | 5555555 | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R1324 R1325 R1326 | 1-216-643-11 1-216-073-00 1-216-037-00 1-216-045-00 1-216-029-00 | METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 10K 330 680 | 0.50% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | : | R1387 R1388 R1389 R1390 | 1-216-031-00 1-216-073-00 1-216-073-00 1-216-093-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 180 10K 10K | 552252 | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R1328 R1329 R1330 R1331 | 1-216-073-00 1-216-049-00 1-216-081-00 1-216-081-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 1K 22K 22K 1K | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | | R1392 R1393 R1394 R1395 | 1-216-047-00 1-216-047-00 1-216-081-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 820 820 22K 22K | 5% 5% 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R1332 R1333 R1334 R1336 R1336 | 1-216-077-00 1-216-075-00 1-216-043-00 1-216-057-00 1-216-657-11 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP | 15K 12K 560 2.2K | 5% 5% 5% 5% 0.50% | 1/10W 1/10W 1/10W 1/10W | | R1397 R1398 | 1-216-073-00 1-216-001-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 10K 10 | | 1/10W 1/10W 1/10W | |
| R1338 R1339 R1340 | 1-216-085-00 1-216-039-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 33K 390 100 | 5% 5% | 1/10W 1/10W 1/10W | | RV301 1 | <vari. 1-238-012-11 </vari. | ABLE RESISTOR | | | | |

The components identified by shading and mark in are critical for safety.

Replace only with part number specified.

B1 F A

| REF.NO. PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | N | | REMARK |
|--|--|--------------------------|-------------------------------|--|--|---|---------------------------------|--------|
| <cry< td=""><td>STAL></td><td></td><td></td><td><00</td><td>IL></td><td></td><td></td><td></td></cry<> | STAL> | | | <00 | IL> | | | |
| X301 1-557-307-11 X302 1-567-131-00 | OSCILLATOR, CRYSTAL OSCILLATOR, CRYSTAL | *********** | 1100 1101 1102 1107 | 1-410-683-31 1-408-225-00 1-408-413-00 1-408-397-00 | INDUCTOR INDUCTOR INDUCTOR INDUCTOR | 560UH 3.3UH 22UH 1UH | | |
| *1-638-390-11 | F BOARD | | | <₹₽. | INCICTORS | | | |
| *4-341-752-01 | EYELET | | Q113 Q114 Q115 | 8-729-120-28 8-729-120-28 8-729-120-28 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | 2SC1623-L5L6 2SC1623-L5L6 2SC1623-L5L6 | | |
| <con.< td=""><td>NECTOR></td><td></td><td>Q116 Q125</td><td>8-729-120-28 3-729-900-89</td><td>TRANSISTOR 2</td><td>SC1623-L5L6 TC144ES</td><td></td><td></td></con.<> | NECTOR> | | Q116 Q125 | 8-729-120-28 3-729-900-89 | TRANSISTOR 2 | SC1623-L5L6 TC144ES | | |
| F61 *1-580-690-11 F62 *1-580-690-11 | EYELET NECTOR> PIN, CONNECTOR (PC SOARD) 4 PIN, CONNECTOR (PC BOARD) 4 | P P | Q126 Q181 | 3-729-901-06 8-729-120-28 | TRANSISTOR D | TA144EK SC1623-L5L6 | | |
| <pre><pus< pre=""></pus<></pre> | E> | | 1 | <0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | :15700 | | | |
| F16014, 1-532-504-31 1-533-230-11 | FUSE 4A/250V HOLDER, FUSE: F1601 | | JR230 JR252 | 1-216-295-00 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 5% 0 5% 0 5% 0 5% | 1/10W 1/8W 1/8W | |
| <swi< td=""><td>TCH></td><td></td><td>JR255</td><td>1-216-296-00</td><td>METAL GLAZE</td><td>0 5%</td><td>1/8W 1/8W</td><td></td></swi<> | TCH> | | JR255 | 1-216-296-00 | METAL GLAZE | 0 5% | 1/8W 1/8W | |
| S17014 1-571-433-12 | SWITCH, PUSH (AC POWER) | | JR257 | 1-216-296-00 | METAL GLAZE | 0 5% | 1/3W | |
| A-1632-022-A | E> FUSE 4A/250V HOLDER, FUSE; F1601 TCH> SWITCH, PUSH (AC POWER) A BOARD, COMPLETE | ******* | JR258 R101 R105 R107 | 1-216-296-00 1-216-025-00 1-216-079-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE HETAL GLAZE | 0 5% 0 5% 100 5% 18K 5% 22K 5% | 1/8₩ 1/10₩ 1/10₩ 1/10₩ | |
| | ula an op | | R108 | 1-216-079-00 | METAL GLAZE | 18K 5% | 1/10W | |
| <uni< td=""><td>NECTUR></td><td></td><td>RIII</td><td>1-249-429-11</td><td>METAL GLAZE</td><td>10K 5% 2.2K 5%</td><td>1/4W 1/10W</td><td></td></uni<> | NECTUR> | | RIII | 1-249-429-11 | METAL GLAZE | 10K 5% 2.2K 5% | 1/4W 1/10W | |
| A11 *1-565-393-11 A12 *1-565-393-11 A13 *1-565-503-11 A16 *1-560-290-00 | CONNECTOR, BOARD TO BOARD CONNECTOR, BOARD TO BOARD CONNECTOR, BOARD TO BOARD 1 PLUG, CONNECTOR (2.5MM PITC | 2P | R116 R118 | 1-216-079-00 1-249-429-11 1-216-057-00 1-216-023-00 1-216-085-00 1-216-027-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 82 5% 33K 5% | 1/10W 1/10W 1/10W | |
| A17 *1-564-886-11 | PLUG, CONNECTOR 9P | | R129 R130 | 1-216-057-00 1-216-057-00 | METAL GLAZE METAL GLAZE | 2.2K 5% 2.2K 5% | 1/10W 1/10W | |
| A19 #1-564-881-11 | PLUG, CONNECTOR 4P | | R157 R158 | 1-216-049-00 1-249-409-11 | METAL GLAZE CARBON | 120 5% 2.2K 5% 2.2K 5% 1K 5% 220 5% | 1/10W 1/4W | |
| CAP. | ACITOR> | | R159 | 1-249-409-11 | CARBON WETAL GLAZE | 220 5% | 1/4W 1/10W | |
| C101 1-126-233-11 C102 1-126-103-11 C104 1-124-910-11 C106 1-126-233-11 | NECTOR> CONNECTOR. BOARD TO BOARD CONNECTOR. BOARD TO BOARD TO CONNECTOR. BOARD TO BOARD TO PLUG. CONNECTOR (2.5MM PITC PLUG. CONNECTOR 4P PLUG. CONNECTOR 4P ACITOR> ELECT 22MF 20 ELECT 470MF 20 ELECT 47MF 20 ELECT 22MF 20 ELECT 22MF 20 | 50V 16V 50V 50V | R162 R163 R164 | 1-249-409-11 1-216-089-00 1-216-095-00 1-216-095-00 1-216-075-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 82K 5% 82K 5% 12K 5% | 1/10W 1/10W 1/10W | |
| c108 1-136-165-00 | 0.1MF 5% | 50v | R165 R167 | 1-216-075-00 | METAL GLAZE METAL GLAZE | 12K 5% 2.7K 5% | 1/10W 1/10W | |
| C109 (1-163-133-00 C111 1-124-925-11 C115 (1-124-925-11 C127 1-124-122-11 | CERAMIC CHIP 470PF 5% ELECT 2.2MF 20 ELECT 2.2MF 20 ELECT 100MF 20 | % 50V % 50V | R168 R169 R181 | 1-216-089-00 1-216-059-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 47K 5% 2.7K 5% 1K 5% | 1/10W 1/10W 1/10W | |
| ci28 1-124-910-11 | ELECT 47MF 20 | 2 50v | R182 R193 | 1-216-065-00 1-216-073-00 | METAL GLAZE METAL GLAZE | 4.7K 5% 10K 5% | 1/10W 1/10W | |
| C172 1-163-005-11 | ELECT 47MF 20 FILM 0.1MF 54 CERAMIC CHIP 470PF 10 CERAMIC CHIP 470PF 19 | 50V 7 50V 7 50V | R194 R195 R196 | 1-216-017-00 1-216-017-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 47 5% 47 5% 470K 5% | 1/10W 1/10W 1/10W | |
| C177 1-102-074-00 C181 1-101-004-00 | APP AVI D | | 1 | <tuni< td=""><td>ER></td><td></td><td></td><td></td></tuni<> | ER> | | | |
| | | 5 0 ¥ | TUIOLA | 1-465-301-11 | TUNER, ET (UV | 7-816(PLL)) | | |
| CIED | ************************************** | | 1 | (IF 1 | BLOCK> | | | |
| IC103 8-759-979-62 | in in in the second | | V1F101 | 1-466-154-11 | | (-3898) | | |
| THE PERSON ASSESSMENT | · · · · · · · · · · · · · · · · · · · | | 1 | ******* | | | ******* | ****** |
| | ************************************** | | | | | | | |

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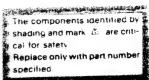
| REF. N | G. PART NO. | DESCRIPTIO | N | | REMARK | REF.NO. | PART NO. | DESCRIPTION | N | | | REMARK |
|------------------------------|--|--|-----------------------------------|---------------------|-------------------------|------------------------------|--|--|---------------------------------|------------------------|------------------------------|---------------|
| | *4-1638-011-4 | | | | | 1 | | | - | | | |
| | *A-1638-011-A *A-1638-013-A | C BOARD, CO | ****** MPLETE (KV-C | 29510 0 | NLY) | 0500 | | ANSISTOR> | | HEE | | |
| | *A-1638-013-A *4-379-160-01 *4-379-167-01 | COVER (REAR COVER (MAIN) | ****** LID), CV), CV | | , | 9703 9704 9705 9706 | 8-729-906-70 8-729-200-17 | TRANSISTOR I TRANSISTOR I TRANSISTOR I TRANSISTOR I TRANSISTOR I | BF871 2SA1091 2SC2785 | -0 | | |
| | <co)< td=""><td>NECTOR></td><td></td><td></td><td></td><td>0707</td><td>8-729-200-17 8-729-119-78</td><td>TRANSISTOR 2</td><td>2SA1091</td><td>-0 -0</td><td></td><td></td></co)<> | NECTOR> | | | | 0707 | 8-729-200-17 8-729-119-78 | TRANSISTOR 2 | 2SA1091 | -0 -0 | | |
| C71 C72 C81 C82 | *4-379-167-01 <co! *1-506-371-00 *1-568-881-51 *1-568-878-51 *1-508-765-00</co! | PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT | FOR 2P FOR 6P FOR 3P | CH) 3D | | 0709 0710 | 8-729-906-70 8-729-200-17 | TRANSISTOR E TRANSISTOR 2 | 3F871 | | | |
| | 1 300 103 00 | TIN, COMMEC | ON (SHA 11) | CILY JI | | R704 | <re:< td=""><td>SISTOR> METAL OXIDE</td><td>0.24</td><td>==</td><td>214</td><td>r</td></re:<> | SISTOR> METAL OXIDE | 0.24 | == | 214 | r |
| | <caf< td=""><td>ACITOR></td><td></td><td></td><td></td><td>R705 R706</td><td>1-202-824-00 1-249-409-11</td><td>SOLID</td><td>8.2K 3.3K 220</td><td>102</td><td></td><td>F</td></caf<> | ACITOR> | | | | R705 R706 | 1-202-824-00 1-249-409-11 | SOLID | 8.2K 3.3K 220 | 102 | | F |
| C703 | 1-102-822-00 | | | 5% (KV-C25 | 51D DNLY) | 0707 | 1-249-412-11 1-249-401-11 | CARBON | 390 47 | 5% 5% 5% | 1/4W 1/4W | |
| C70.4 | 1-102-820-00 | | 330PF | 5% (KV-C29 | 50V 151D ONLY) | R709 | 1-202-844-00 | | 330K | 102 | | |
| C704 C705 | 1-102-116-00 | | 680PF | 102 | 50V | R710 R711 | 1-215-465-00 1-249-426-11 | METAL CARBON | 68K 5.6K | 17 | 1/4W 1/4W | |
| 6705 | 1-102-820-00 1-102-980-00 | | 330PF 270PF | 5% (KV-C25 5% | 50Y 51D ONLY) 50V | R712 R713 | 1-249-417-11 1-215-471-00 | CARBON | 1K 120K | 5% 1% | 1/4W 1/4W | |
| C706 | 1-102-116-00 | | | (KV-C29 | 51D ONLY) | 24 1 2 7 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| C707 C708 C709 | 1-162-116-00 1-162-114-00 1-102-116-00 | CERAMIC | 680PF 0.0047NF 680PF | 102 | 2KV 2KV 50V | R715 R716 R717 R718 | 1-202-824-00 1-249-409-11 1-249-415-11 1-202-814-11 | CARBON CARBON | 3.3K 220 680 33K | 10% 5% 5% 10% | 1/2W 1/4W 1/4W 1/2W | |
| C710 C711 | 1-123-947-00 1-101-880-00 | ELECT CERAMIC | 10MF 47PF | 20% 5% | 250v 50v | R719 R720 R721 | 1-249-401-11 1-249-423-11 1-202-842-11 | CARBON | 47 3.3K | 5% 5% | 1/4W 1/4W | |
| C712 C714 C716 C717 | 1-102-820-00 1-124-360-00 1-162-622-11 1-102-114-00 | | 330PF 1000MF 330PF 470PF | 5% 20% 10% | 50V 16V 400V | R722 R723 | 1-202-848-00 1-249-417-11 | SOLID CARBON | 220K 680K 1K | 10% 10% 5% | 1/2W 1/2W 1/4W | |
| C718 | | CERAMIC | 470PF | 10% | 50Y 50V | R725 | 1-202-846-00 1-202-838-00 | SOLID | 100K | 107 | 1/2W 1/2W | |
| C719 | 1-102-114-00 | | | | 50V | R727 R728 | 1-202-824-00 1-249-409-11 1-216-347-11 | CARBON | 3.3K 220 0.68 | 10% 5% 5% | 1/2W 1/4W 1W | F |
| | 1010> |)E> | | | | R729 R730 | 1-249-416-11 1-249-401-11 | | 820 47 | 5% 5% | 1/4W 1/4W | |
| D704 | <pre></pre> | DIODE 155119 | 5-B3 | | | R731 R732 R733 | 1-249-423-11 1-249-415-11 1-249-415-11 | CARBON CARBON | 820 47 3.3K 680 680 | 55555 | 1/4W 1/4W 1/4W | |
| D705 | 8-719-911-19 | | | | 1 | | 1-249-405-11 1-215-493-00 | | 100 1 M | 5% | 1/4W 1/4W | |
| D706 D707 D708 D709 | 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 | | | : | R736 | 1-216-486-00 1-215-491-00 | METAL OXIDE | 8.2K 820K | 577 | | F 1D ONLY) |
| D710 | 8-719-911-19 | | | | 1 | | 1-215-485-00 | METAL | 470K | 12 | 1/4W (KV-C295) | ואס חיי |
| D711 D713 | 8-719-300-33 8-719-911-19 | | | | | R739 | 1-249-417-11 | CARBON | 1 K | 5% | 1/4W | IV UNDIT |
| | <jack< td=""><td>></td><td></td><td></td><td></td><td></td><td><var< td=""><td>ABLE RESISTOR</td><td>></td><td></td><td></td><td></td></var<></td></jack<> | > | | | | | <var< td=""><td>ABLE RESISTOR</td><td>></td><td></td><td></td><td></td></var<> | ABLE RESISTOR | > | | | |
| J701 | 1-526-990-11 | SOCKET, PICTU | RE TUBE | | : | RV702 RV703 | 1-230-619-11 1-237-749-11 | RES, ADJ, MET RES, ADJ, MET RES, ADJ, CAR | AL GLAZ BON 220 | ZE 11 | 2M OM | |
| | <coil< td=""><td></td><td></td><td></td><td>:</td><td></td><td></td><td>RES, ADJ, CAR</td><td></td><td></td><td></td><td></td></coil<> | | | | : | | | RES, ADJ, CAR | | | | |
| L704 | 1-410-878-11 | INDUCTOR | 33UH | | | | | D BOARD, COMP | | | | |
| | | | | | 1 | | | D BOARD, COMP | **** LETE (K | | | , |
| | | | | | * * 1 | 4 | 1-200-001-01 | HOLDER, IC | | | | |

The components identified by shading and mark (A) are critical for safety.

Replace only with part number specified.



| REF.NO. P | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTIO | N - | | REMARK |
|--|--|--|---|---|-------------------------------------|--|--|---|---|--------------------------|----------------------------------|
| 4 *4 *4 | -201-023-01 -341-751-01 -341-752-01 -368-683-01 | EYELET | LATING | | | C520 C521 | 1-164-161-11 1-137-098-11 | CERAMIC CHI | P 0.0022MF 0.1MF | 10% 10% | 50V 100V |
| | <cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>C522 C523 C524 C525 C526</td><td>1-124-122-11 1-108-680-11 1-108-798-11 1-163-117-00 1-163-101-00</td><td>ELECT MYLAR MYLAR CERAMIC CHIL</td><td>100MF 0.001MF 0.0033MF 2 100PF</td><td>20% 10% 5% 5%</td><td>50V 100V 50V 50V 50V</td></cap<> | ACITOR> | | | | C522 C523 C524 C525 C526 | 1-124-122-11 1-108-680-11 1-108-798-11 1-163-117-00 1-163-101-00 | ELECT MYLAR MYLAR CERAMIC CHIL | 100MF 0.001MF 0.0033MF 2 100PF | 20% 10% 5% 5% | 50V 100V 50V 50V 50V |
| C002 1 C003 1 C004 1 C005 1 C008 1 | -124-925-11 -124-120-11 -124-903-11 -163-117-00 | CERAMIC CHIP ELECT ELECT ELECT CERAMIC CHIP | 2.2MF 220MF 1MF 100PF | 20% 20% 20% 5% | 50V 16V 50V 50V | : | 1-137-098-11 1-124-190-00 1-124-122-11 1-137-096-11 1-124-120-11 | | | | 100V 25V 50V 100V |
| C009 1 C010 1 C011 1 C013 1 C014 1 | -163-117-00 -124-120-11 -164-232-11 -137-098-11 -137-098-11 | CERAMIC CHIP ELECT CERAMIC CHIP FILM FILM | 100PF 220MF 0.01MF 0.1MF 0.1MF | 5% 20% 10% 10% | 50V 16V 50V 100V | | 1-124-120-11 1-131-365-00 1-124-903-11 1-108-680-11 1-163-129-00 | | | | 16V 16V 50V 100V |
| C015 1 C016 1 C017 1 | -124-902-00 -163-141-00 -137-098-11 | ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM | 0.47MF 0.001MF 0.1MF | 20% 5% | 50V 50V 100V | C540 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V 50V |
| C018 1 C019 1 | -163-127-00 -137-094-11 | CERAMIC CHIP FILM | 270PF 0.047MF | 5% 10% | 50V 100V | C593 C601 <u>↑</u> C602 ↑ | 1-124-122-11 1-163-129-00 1-161-964-61 1-161-964-61 1-161-964-61 | CERAMIC CHIP CERAMIC CERAMIC CERAMIC | 330PF 0.0047MF 0.0047MF | 5% | 50V 250V 250V 250V |
| C023 1 C024 1 C027 1 C030 1 | -163-117-00 -163-117-00 -124-910-11 -163-038-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT | 100PF 100PF 47MF 0.1MF | 5% 5% 20% | 50 V 50 V 50 V 25 V | CCOLA | 1-125-318-11 1-124-484-11 1-163-137-00 1-137-028-11 1-124-927-11 | PLECT (DLOCK) | 22045 | 20* | 400V 35V 50V 63V |
| C031 1: C032 1: C033 1: C034 1: | -163-081-00 -163-081-00 -163-181-00 -163-038-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.22MF 0.22MF 100PF 0.1MF | 5% | 25V 25V 50V 25V | C608 C611 C612 | 1-124-927-11 1-124-910-11 1-108-680-11 | ELECT ELECT MYLAR | 4.7MF 47MF 0.001MF | 20% 20% 10% | 50V 50V 100V |
| COEO 1. | -126-222-11 | CICCT | 2245 | 204 | 50V | C613 C614 C615 | 1-124-910-11 1-108-680-11 1-136-539-11 1-102-030-00 1-128-142-11 | FILM CERAMIC ELECT | 0.0022MF 330PF 1500MF | 2 7 | 2KV 500V 25V |
| | | FILM ELECT ELECT | 0.1MF 3300MF 1MF | 10% 20% 20% | 50V 100V 25V 50V | C616 C617 C618 C619 | 1-102-030-00 1-124-122-11 1-162-115-00 1-128-320-11 1-136-173-00 | CERAMIC ELECT CERAMIC ELECT | 330PF 100MF 330PF 2200MF | | 500V 50V 2KV 16V |
| C263 1- | -126-233-11 -163-009-11 -137-098-11 -124-564-11 -137-035-11 | ELECT CERAMIC CHIP FILM ELECT FILM | 0.001 VC | 20% 10% 10% 20% 10% | 50V 50V 100V 25V | C620 C621 C622 C623 | 1-136-173-00 1-124-347-00 1-128-320-11 1-124-910-11 1-124-122-11 1-124-360-00 | FILM ELECT ELECT FIFCT | 0.47MF 100MF 2200MF | | 50V 160V 16V 50V |
| C274 1- C501 1- | -137-035-11 -124-927-11 | FILM ELECT | 0.47MF 4.7MF | 404 | JU * | | | | 100MF 1000MF | | 50V 16V |
| C503 1- C504 1- | -137-049-11 -163-121-00 | ELECT FILM CERAMIC CHIP | | 20% 10% 5% | 50 V 400 V 50 V | C626 C627 C631 C632 | 1-124-907-11 1-163-009-11 1-124-927-11 1-163-009-11 | CERAMIC CHIP CERAMIC CHIP | 4.7MF 0.001MF | 20% 10% 20% 10% | 50V 50V 50V 50V |
| C506 1- C507 1- C508 1- | -108-794-11 -137-102-11 -137-033-11 -137-102-11 -137-098-11 | FILM FILM FILM | 0.0015MF 0.022MF 0.33MF 0.022MF 0.1MF | 52 102 102 102 102 | 50V 250V 100V 250V 100V | C801 C802 C804 | 1-123-948-00 | CERAMIC CHIP ELECT CERAMIC ELECT | 100PF 1000MF 330PF 22MF | 20% 10% 20% | 35Y 500Y 250Y |
| C511 1- C512 1- | -161-959-00 -108-686-11 -137-098-11 | MYLAR FILM | 22PF 0.0033MF 0.1MF | 10% 10% 10% | 500V 100V 100V | C805 C306 C807 | 1-162-114-00 1-137-098-11 1-106-395-00 | CERAMIC FILM MYLAR | 0.0047MF 0.1MF 0.15MF | 10% 10% | 2KY 100Y 200V |
| C513 1- C514 1- | -163-125-00 -137-031-11 -124-903-11 | CERAMIC CHIP FILM | 220PF 0.22MF | 5% 10% 20% | 50V 100V | C810 C811 | 1-123-024-21 1-136-113-00 1-124-634-11 | ELECT FILM ELECT CERAMIC | 33MF 2MF 1MF 820PF | 5% 20% 10% | 160V 200V 250V 500V |
| C516 1- C517 1- C518 1- | -108-680-11 -124-252-00 -124-902-00 -136-173-00 | MYLAR ELECT ELECT | 0.001MF 0.33MF 0.47MF | 10 % 20 % 20 % | 100V 50V 50V | C814 & | 1-161-731-51 | CERAMIC FILM | 0.001MF 11 1MF | 107 | 2K¥ 200V |
| | -136-171 - 00 | | 0.47MF 0.33MF | 5% (KV-C25) 5% | 50V 51D ONLY) 50V | | 1-136-540-11 | FILM | 0.82MF | 5% (KV-C295 | 200V |
| | | | | | ID ONLY) | | | | | | |





| _ | | | 4 | | | | | | | 20112 |
|---|---|--|---|--|--|--|--|--|------------------------------|-------|
| R | EF.NO. PART NO. | DESCRIPTION | | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMAR |
| | C817 ▲ 1-136-565-11 ▲ 1-136-591-11 C818 ▲ 1-129-721-51 | FILM FILM | 0.015MF 0.017MF | 3% (KV-C25 | 1.4KV 51D ONLY) 1.4KV 51D ONLY) 630V | D272 D501 D504 | 8-719-911-19 8-719-911-19 8-719-911-55 | DIODE 155119 DIODE 155119 DIODE 1056 | (KV-C2551D ONLY) | |
| | C819 & 1-161-731-51 C820 1-137-046-11 C821 & 1-162-116-51 & 1-162-134-51 | CERAMIC FILM CERAMIC | 0.001MF 0.0082MF 680PF 470PF | 107 107 107 (KV-C25 | 2KV 400V 2KV 551D ONLY) 2KV | D509 D511 D512 D513 D514 | 8-719-911-19 8-719-911-55 8-719-911-55 8-719-010-34 8-719-911-19 | DIODE U05G DIODE U05G DIODE UZ-4.7F | BSC (KV-C2951D ONLY) | |
| | C822 1-163-005-11 C823 1-137-043-11 C824 1-102-212-00 C825 1-137-102-11 | CERAMIC CHIP FILM CERAMIC | | (KV-C29 | 51D ONLY) 50V 400V 500V 250V | D515 D601 A D602 D603 D604 | 8-719-911-19 8-719-510-63 8-719-300-33 8-719-911-55 8-719-911-55 | DIODE 1SS119 DIODE D4SB601 DIODE RU-3AM DIODE U05G DIODE U05G | (KV-C2951D ONLY) L-F | |
| | C1601A 1-136-518-11 C1602A 1-136-519-11 C1603A 1-164-246-51 C1605A 1-164-246-51 C1607A 1-161-964-61 | | | 20% 20% 20% 20% 20% | 300V 300V 400V 400V 250V | D605 D606 D607 D608 D609 | | DIODE U05G DIODE RU-3AM DIODE RU-3AM DIODE RU-3AM DIODE MTZJ-3 | | |
| | <fil< td=""><td>TER></td><td>RAMIC</td><td></td><td></td><td>D610 D611 D612 D613 D614</td><td>8-719-900-26 8-719-300-59 8-719-979-85</td><td>DIODE CTU-12 DIODE ERD29- DIODE CTU-12 DIODE EGP20G DIODE EGP20G</td><td>08J S</td><td></td></fil<> | TER> | RAMIC | | | D610 D611 D612 D613 D614 | 8-719-900-26 8-719-300-59 8-719-979-85 | DIODE CTU-12 DIODE ERD29- DIODE CTU-12 DIODE EGP20G DIODE EGP20G | 08J S | |
| | <00\\ CKDS01+1-508-784-00\ | NNECTOR> | OR (5MM PI | rch) 1º | | D616 D617 D618 D619 | 8-719-921-54 8-719-911-19 8-719-109-89 8-719-982-24 | DIODE MTZJ-6 DIODE 1SS119 DIODE RD5.6E DIODE MTZJ-3 | S-B2 34 | |
| | CF501 1-567-888-11 CND801*1-508-784-00 D1 *1-568-881-51 D2 *1-568-882-51 D11 *1-565-394-11 D12 *1-565-394-11 D18 *1-565-394-11 D22 *1-565-394-11 D33 *1-565-394-11 D34 *1-565-394-11 D35 *1-565-394-11 D36 *1-565-394-11 D37 *1-565-394-11 D38 *1-565-394-11 D39 *1-565-394-11 D30 *1-565-394-11 D31 *1-566-367-11 D41 *1-568-881-51 D45 *1-566-367-11 D46 *1-568-881-51 D51 *1-566-367-11 | PIN, CONNECT PIN, CONNECT PIN, BOARD T PIN, BOARD T | OR 6P OR 7P O BOARD COI O BOARD COI | NNECTOR NNECTOR | | D620 D621 D622 D623 | 8-719-800-76 8-719-982-24 8-719-911-19 8-719-911-19 | DIODE 1SS226 DIODE MTZJ-3 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 | 3A | |
| | D18 *1-560-290-00 D21 *1-565-394-11 D22 *1-565-394-11 D31 *1-565-394-11 D32 *1-565-394-11 | PLUG, CONNEC PIN, BOARD 1 PIN, BOARD 1 PIN, BOARD 1 PIN, BOARD 1 | CTOR (2.5MM TO BOARD CO TO BOARD CO TO BOARD CO TO BOARD CO | NNECTOR NNECTOR NNECTOR NNECTOR | | D630 D801 D802 D803 | 8-719-311-19 8-719-321-91 8-719-300-33 8-719-376-64 | DIBDE MTZJ-1 DIODE RU-3AM DIODE RU-3AM DIODE RGP02- | .5A ! | |
| | D33 *1-565-394-11 D41 *1-566-367-11 D44 *1-568-881-51 D45 *1-568-881-51 | PIN, BOARD TO CONNECTOR, I PIN, CONNECTOR CONNECTOR | TO BOARD CO HINGE (RECE TOR 6P TOR 6P | NNECTOR PTACLE) | | D804 D805 D806 D807 | 8-719-911-55 8-719-911-55 8-719-945-80 8-719-945-80 | DIODE U05G DIODE U05G DIODE ERCO6- DIODE ERCO6- | -15S -15S | |
| | D60 *1-508-765-00 D66 *1-508-765-00 D82 *1-508-765-00 | PIN, CONNECT PIN, CONNECT PIN, CONNECT | FOR (5MM PI FOR (5MM PI FOR (5MM PI | TCH) 3P TCH) 2P TCH) 3P | | 1 | <10 | > | | |
| | D83 *1-508-786-00 D84 *1-568-536-11 D88 *1-568-878-51 D801 *1-508-765-00 | PIN, CONNECT PLUG (MINIA | TURE DY) 6P TURE DY) 6P TOR 3P (KV- | C2951D 0 | ONY) | 1 C001 1 C002 1 C003 1 C005 1 C251 | 8-759-945-58 8-759-748-56 | 10 TC4U51BPI 10 RC4558P 10 SDA2546 | HB | |
| | <di 0003="" 8-719-911-19<="" <di="" td=""><td>ODE></td><td>à</td><td></td><td></td><td>i</td><td>8-759-970-73</td><td>I IC TDA2050 RIVET NYLON IC TEA2028B</td><td>, 3.5; IC251 , 3.5; IC261</td><td></td></di> | ODE> | à | | | i | 8-759-970-73 | I IC TDA2050 RIVET NYLON IC TEA2028B | , 3.5; IC251 , 3.5; IC261 | |
| | D005 8-719-109-89 D006 8-719-982-24 D007 8-719-982-08 D009 8-719-109-89 | DIODE MTZJ- DIODE MTZJ- DIODE RD5.6 | 33A 3.9B ES-B2 | | | 10601 | 8-759-988-95 1 8-759-510-53 8-759-929-63 | 1C TEA2260 | | |
| | D010 8-719-921-54 D011 8-719-921-54 D012 8-719-911-19 D013 8-719-109-97 D271 8-719-921-88 | DIODE MTZJ- DIODE 1SS11 DIODE RD6.8 | 6.28 9 ES-B2 | | | L501 | | DIL> DINDUCTOR DICOLL AIR C | 3.3UH | |
| | | | | | | F001 | -1 420 012 U | | - | |

The components identified by shading and mark \(\triangle \) are critical for safety.

Replace only with part number specified.

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| REF. NO. PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|--|--|-----------|--------------------------------------|--|---|--|---|--|
| L602 1-410-396-41 L603 1-410-396-41 L604 1-410-671-31 | FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR INDUCTOR 47UH COIL (WITH CORE) (DRUM TYPE) COIL (HORIZONTAL CHOKE) 25UH INDUCTOR 47UH COIL,HCC DUST CORE 3.9MMH (KV-C295 | | Q605 Q606 Q607 | 8-729-120-28 8-729-120-28 8-729-920-92 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | SC1623-L5 SC1623-L5 SD2096-EF | L6 L6 | |
| L605 1-459-585-11 L606 1-421-013-00 | COIL (WITH CORE) (DRUM TYPE) COIL (HORIZONTAL CHOKE) 25UH | | Q608 Q609 | 8-729-120-28 8-729-320-62 | TRANSISTOR 2 TRANSISTOR 2 | SC1623-L5 SD789-34 | L6 | |
| L607 1-410-671-31 L801 1-459-087-00 | INDUCTOR 47UH COIL, HCC DUST CORE 3.9MMH (KY-C295 | 1D ONLY) | Q801 Q804 Q805 | 8-729-120-28 8-729-304-50 8-729-119-80 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | SC1623-L5 SD1941-06 SC2688-LK | L6 | |
| L803 1-459-104-00 L804 1-408-239-00 | COIL, HCC DUST CORE 3.9MMH (KV-C295 COIL, DUST CORE INDUCTOR 4.7MMH COIL, HORIZONTAL LINEARITY (KV-C255 | | | <8F5 | ISTOR> | • | | |
| L805 1-459-755-11 | COIL, HORIZONTAL LINEARITY | וא מער עו | FD 1 | 1-216-296-00 | METAL CLAZE | 0 5 | Z 1/8W | |
| | COIL. HORIZONTAL LINEARITY (KV-C295 | | JR3 | 1-216-296-00 1-216-296-00 1-216-295-00 | METAL GLAZE | 0 5 | % 1/8W | |
| L806 1-459-111-00 | COIL, DRAM CORE (CDI) (KV-C2551D | ONLY) | JR7 ROO1 | 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 5 0 5 470 5 | 1/8W 1/10W | |
| 1-459-087-00 | COIL, HCC DUST CORE 3.9MMH (KV-C295 | ID ONLY) | i | 1-216-041-00 | | | | |
| L809 *1-420-872-00 L810 | COIL. AIR CORE PMC (KV-C2551D ONLY) TRANSFORMER, FERRITE (PMT) (KV-C295 | | R003 R004 R005 | 1-216-198-00 1-216-049-00 1-216-081-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 470 5 1K 5 1K 5 22K 5 10K 5 | 1/8W 1/10W 1/10W 1/10W 1/10W | |
| | ANSFORMER> 2 LFT 1 LFT 1 LFT 1 S.R.T (KV-C2551D ONLY) 1 S.R.T (KV-C2951D ONLY) 1 TRANSFORMER, TRIGGER PULSE 1 HDT | | R007 | 1-216-065-00 | METAL GLAZE | 4.7K 5 10K 5 10K 5 | % 1/10W % 1/10W | |
| <tr< td=""><td>ANSFORMER></td><td></td><td>R009</td><td>1-216-073-00</td><td>METAL GLAZE</td><td>10K 5</td><td>1/10W 1/10W</td><td></td></tr<> | ANSFORMER> | | R009 | 1-216-073-00 | METAL GLAZE | 10K 5 | 1/10W 1/10W | |
| LF1601A 1-421-866-1 | 2 LFT | | R012 | 1-216-073-00 | METAL GLAZE | 470 5 10K 5 | 1/10W | |
| LF1603A, 1-421-862-1 | 1 LFT 1 LFT | | R013 | 1-216-073-00 | METAL GLAZE | 10K 5 | 7 1/10W 7 1/10W | |
| 1-450-037-1 | 1 S.R.T (KV-C2951D ONLY) | | R015 | 1-216-061-00 | METAL GLAZE | 3.3K 5 | % 1/10W | |
| T602 A 1-424-277-1 | 1 TRANSFORMER, TRIGGER PULSE | | R017 | 1-216-035-00 | METAL GLAZE | 33K 5 39K 5 | 1/10W | |
| T802 A 1-439-416-5 | 1 TRANSFORMER ASSY, FLYBACK (UX-1 | 650) | R018 | 1-216-095-00 | METAL GLAZE | 82K 5 100 5 100 5 | % 1/10W | |
| <10 | LINK> | | R021 | 1-216-065-00 | METAL GLAZE | 100 5 4.7 K 5 4.7 K 5 | 1/10W 1/10W | |
| PS601A. I=532-984-91 PS602A. I=532-984-91 PS603A. I=532-679-91 PS604A. I=532-984-91 | LINK. 1C (1CP-N50) 2A LINK. 1C (1CP-N50) 2A LINK. 1C (1CP-N50) 2A LINK. 1C (1CP-N15) 0.6A LINK. 1C (1CP-N50) 2A ANSISTOR> TRANSISTOR DTC144EK TRANSISTOR DTC144EK TRANSISTOR 2SA1162-6 TRANSISTOR 2SA1162-6 TRANSISTOR 2SA1162-6 | | R024 R025 R026 R027 | 1-216-073-00 1-216-073-00 1-216-182-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 5 10K 5 220 5 100 5 | 7 1/10W 7 1/10W | · |
| The state of the s | ANSISTOR> | | R028 | 1-216-025-00 | METAL GLAZE | | | |
| 0-147 610 44 | , than 31310k 23A1102-6 | | R029 R030 R031 R032 R033 | 1-216-073-00 1-216-073-00 1-216-081-00 1-216-073-00 1-216-073-00 | METAL GLAZE | 10K 5: 10K 5: 22K 5: 10K 5: 10K 5: | Y 1/10W | ************************************** |
| 0006 8-729-901-01 0007 8-729-120-28 0008 8-729-120-28 0009 8-729-120-28 | TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 | | R034 R035 R036 R037 R038 | 1-216-077-00 1-216-081-00 1-216-083-00 1-216-069-00 1-216-069-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 15K 55 22K 55 27K 55 6.8K 55 6.8K 55 | 1/10W | The second secon |
| 0010 8-729-120-28 | I KANSISTOR 2SC1623-L5L6 | | 8039 | 1-216-081-00 | METAL GLAZE | 22K 5 | 2 1/10W 2 1/10W | 166E |
| 9251 8+729-120-28 9261 8-729-120-28 9271 8-729-120-28 9502 98-729-216-22 9505 8+729-140-96 | TRANSISTOR 25C1623-L5L6 TRANSISTOR 25C1623-L5L6 TRANSISTOR 25C1623-L5L6 TRANSISTOR 25A1162-C | | R040 R041 R042 R043 | 1-216-077-00 1-216-073-00 1-216-049-00 1-216-041-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 22K 57 15K 57 10K 57 1K 57 470 57 | 7 1/1UW | |
| 0506 418-729-140-97 0507 8-729-216-22 0598 8-729-216-22 | TRANSISTOR 2SB734-34 TRANSISTOR 2SB1162-6 | | R044 R045 R046 R047 | 1-216-097-00 1-216-061-00 1-216-095-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100K 57 3.3K 57 82K 57 10K 57 | 1/10W 1/10W 1/10W 1/10W 1/10W | ************************************** |
| 0603 8 8 729 222-0 0604 8 729 216-22 | TRANSISTOR 2SA1220A-P TRANSISTOR 2SA1220A-P TRANSISTOR 2SA1162-G | | R048 R049 R050 R051 | 1-216-073-00 1-216-073-00 1-216-067-00 1-216-041-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 5 | 1/10A: 1/10A: 1/10A: | |
| | | | | | | | | A Property |



| REF.NC | PART NO. | SESCRIPTION | | | | REMARK | IREF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|--------------------------------------|--|---|----------------------------------|---|--|--------|--------------------------------------|--|---|---|--|--|
| R053 R054 R054 R056 | 1-216-049-00 1-216-037-00 1-216-073-00 | | | | 1/10W 1/10W 1/10W 1/10W 1/10W | | R504 R505 | 1-216-033-00 1-216-035-00 1-249-420-11 1-216-077-00 1-216-071-00 | METAL GLAZE CARBON METAL GLAZE METAL GLAZE | 270 1.8K 15k 8.2K | 55.55.55.55.55.55.55.55.55.55.55.55.55. | 1/10W 1/10W 1/4W 1/10W 1/10W |
| R057 R058 R059 R060 R061 | 1-216-025-00 1-216-049-00 1-216-049-00 1-216-049-00 1-216-065-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 100 1k 1k 1k 4.7K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | R510 R514 R515 E517 | 1-216-063-00 1-216-067-00 1-216-033-00 1-216-061-00 1-216-073-00 1-216-089-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 3.9K 5.6K 220 3.3K 10K 47K | | 1/10W 1/10W 1/10W 1/10W 1/10W |
| R063 R064 R065 R066 R067 | 1-216-049-00 1-216-049-00 1-216-049-00 1-216-049-00 | METAL GLAZE | 1 K 1 K 1 K 1 K 1 K | 55555 55 | 1/10W 1/10W 1/10W 1/10W | | R519 R520 R521 R522 R523 | 1-216-081-00 1-216-037-00 1-216-025-00 1-215-469-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 22K 330 100 100K 1K | | 1/10W 1/10W 1/10W 1/4W 1/10W |
| R068 R069 R070 R071 | 1-216-174-00 1-216-198-00 1-216-198-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | | | 1/10W 1/8W 1/8W 1/8W 1/8W | | R524 R525 | 1-216-057-00 1-216-049-00 1-249-409-11 | METAL GLAZE | 2.2K 1K 220 | 5% | 1/10W 1/10W (KV-C2551D ONLY) 1/4W F |
| R072 R073 R075 R076 R078 | 1-216-073-00 1-216-198-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | | 555555 | 1/10W 1/10W 1/10W 1/8W | | R528 R529 R530 R531 | 1-216-031-00 1-216-069-00 1-249-448-11 1-216-099-00 | METAL GLAZE METAL GLAZE CARBON METAL GLAZE | | | 1/10W 1/10W 1/10W 1/4W F 1/10W |
| R079 R080 R081 R083 R084 | 1-216-049-00 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | | 55555 | 1/10W 1/10W 1/10W 1/10W | | R533 R534 R535 R536 | 1-216-049-00 1-216-295-00 1-216-119-00 1-249-749-00 1-216-129-00 | METAL GLAZE METAL GLAZE CARBON METAL GLAZE | 0 820K 2.2M 2.2M 27K | | 1/10W 1/10W 1/10W 1/4W 1/10W |
| R085 R086 R087 R088 R095 | 1-216-035-00 1-216-059-00 1-216-073-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 108 | D #2 10 10 10 10 10 10 10 10 10 10 10 10 10 | 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W | | R538 R539 R540 R541 | 1-216-083-00 1-216-101-00 1-216-101-00 1-216-013-00 1-216-091-00 | | 150K 150K 150K 33 56K 4.7 | | 1/10W 1/10W 1/10W 1/10W 1/10W |
| R096 R098 R25; | 1-216-049-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 10K 10K 10K 1K 4.7K | 5555555 | 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W | | R543 R544 R545 R546 | 1-216-308-00 1-249-451-11 1-247-745-11 1-216-081-00 1-216-083-00 | | 4.7 2.2 330 22K 27K 3.3K | | 1/10W 1/4W 1/2W 1/10W 1/10W |
| R254 R255 R256 | 1-216-039-00 1-216-073-00 1-216-357-00 1-216-073-00 1-216-115-00 | METAL GLAZE METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE | 390 10K 4.7 10K 560K | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 1/10W 1/10W 1W F 1/10W 1/10W | | R549 R550 | 1-216-061-00 | METAL GLAZE METAL OXIDE METAL OXIDE METAL GLAZE METAL GLAZE | | | 1/10W 1W F 2W F 1/10W 1/10W |
| R258 R259 R261 | 1-215-869-11 1-216-065-00 1-216-065-00 | METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE | 15% 1% 4.7% 4.7% 390 | 555555 | 1/10W 1W F 1/10W 1/10W 1/10W | | R554 R555 R556 | 1-215-869-11 1-216-037-00 1-216-129-00 1-216-025-00 1-216-065-00 | METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 330 2.2H 100 4.7K | 5.5555555555555555555555555555555555555 | 1W 1/10W 1/10W 1/10W 1/10W |
| R264 R265 R266 | 1-216-357-00 1-216-073-00 1-216-115-00 | METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 4.7 10K 560K 15K | 55555555555555555555555555555555555555 | 1/10W 1W F 1/10W 1/10W 1/10W | | R558 R559 R560 | 1-216-113-00 1-216-069-00 1-216-037-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470K 6.8K 330 270K | 5. | 1/10W 1/10W 1/10W 1/10W (KV-C2951D ONLY) |
| R269 R270 R271 | 1-216-065-00 1-216-073-00 1-216-045-00 | METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1K 4.7K 10K 680 10K | 10.50.50.50.50.60.60.60.60.60.60.60.60.60.60.60.60.60 | 15 F 1/10W 1/10W 1/10L 1/10W | | R591 R592 | 1-216-045-00 1-216-047-00 1-216-049-00 | METAL GLAZE METAL GLAZE | 680 820 1K | 55555 | 1/10W (KV-C2951D ONLY) 1/10W 1/10W |
| R274 R274 R500 R501 | 1-216-073-00 1-216-115-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 560K | ころちゃん ちゃん | 1/10W 1/10W 1/10W 1/10W | | R594 R597 | 1-216-041-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL OXIDE | 1.5K 8.2K 470 22K | 55% | 1/10W 1/10W 1/10W 2W F |

The components identified by shading and mark \$\frac{1}{2}\$, are critical for safety.

Replace only with part number specified.

| D | VN |
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| 1 | 1 |

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|--------------------------------------|--|---|-----------------------------------|--|---|----------------------------|--------------------------------------|---|---|--|----------------------|--------------------------------------|---------------------------------------|
| REF. NO. | PART YO. | DESCRIPTION | | | REMA | RK | REF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
| R600 R601 R603 R604 R605 | 1-049-381-11 1-016-353-00 1-216-469-11 1-216-025-00 1-216-031-00 | CARBON METAL OXIDE METAL OXIDE METAL GLAZE METAL GLAZE | 1 2.2 12 100 22K | 0.0.0.0.0.0.0 | 1/4W 1W F 3W F 1/10W 1/10W | | | 1-218-265-91 1-216-073-00 1-216-308-00 | | 8.2M 10K 4.7 | 5% | 1W 1/10 1/10 (KV-02 | W W 15510 ONLY) |
| R606 R607 | 1-216-251-00 1-216-265-00 1-216-267-00 | METAL GLAZE | | 5% 5% 5% | 1/10W 1/10W (KY-02551D ON 1/10W (KY-02951D ON | LY) | 35504 | 1-216-001-00 1-216-121-00 1-216-001-00 | METAL GLAZE | 10 1M 10 | 5% | 1/10 (XV-C2 1/10 1/10 | W 1951D ONLY) W |
| R608 R609 R610 R611 R612 | 1-216-488-11 1-216-007-00 1-214-941-00 1-216-015-00 1-216-049-00 | METAL OXIDE METAL GLAZE CARBON METAL GLAZE METAL GLAZE | 18K 18 680K 39 | | 3W F 1/10W | | 1 | | | 12K R> RBON 2. | 5% 2K | 1/10 (KV-C2 | 9510 GNLY) |
| R613 R614 R616 R617 R618 | 1-216-097-00 1-205-758-11 1-216-099-00 1-216-037-00 1-216-431-11 | METAL GLAZE WIREWOUND METAL GLAZE HETAL GLAZE METAL OXIDE | 100K 100 120K 330 560 | 5% 10% 5% 5% | 1/10W 10W F 1/10W 1/10W 1W F | | | | RK GAP> | RBON 10 RBON 47 | K O | | |
| R619 R620 R621 R622 R623 | 1-215-073-00 1-215-081-00 1-215-077-00 1-215-073-00 1-215-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10X 22K 15X 10K 22X | \$4.5.5.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0. | 1/10W 1/10W 1/10W 1/10W 1/10W | | | 1-519-422-11 <the 1-808-059-32</the | RMISTOR> | POSITI | YE. | | |
| R624 R625 R626 R628 R629 | 1-216-067-00 1-215-865-11 1-216-037-00 1-216-001-00 1-216-037-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 5.6K 220 330 10 330 | 1010101010 \$48/848/84 | 1/10W 1W F 1/10W 1/10W 1/10W | | | *1-634-193-11 | | | | | ******** |
| R633 R634 R635 R636 R643 | 1-216-049-00 1-216-430-11 1-216-073-00 1-216-073-00 1-217-189-21 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE WIREWOUND | 1K 390 10K 10K 0.12 | 55555555 | 1/10W 1W F 1/10W 1/10W 2W F | 1 1 2 1 1 1 | 0751 0752 0753 | CAP 1-101-361-00 1-108-629-11 1-137-047-11 | CERAMIC MYLAR FILM | 150PF 0.018M 0.01MF | 7 | 5% 10% 10% | 50V 100V 400V |
| R651 R653 R802 R805 R806 | 1-216-025-00 1-205-758-11 1-249-443-11 1-249-448-11 1-216-093-00 | METAL GLAZE WIREWOUND CARBON CARBON METAL GLAZE | 100 | 57 10% 57 57 57 | 1/10W 10W F 1/4W F 1/4W F 1/10W | | C761 | 1-102-980-00 1-108-692-11 1-124-907-11 1-124-917-11 1-101-006-00 | MYLAR ELECT ELECT CERANIC | 270PF 0.01MF 10MF 33MF 0.047MF | | 57 107 207 207 107 | 50V 200V 50V 50V 400V |
| R807 R809 R810 R811 R812 | 1-215-869-11 1-202-821-11 1-202-818-00 1-215-882-00 1-249-494-11 | 001.11 | 1.3K 1K | 5% 10% 10% 5% | 1W F 1/2W 1/2W 2W F 1/2W (KV-C2551D ONI | .Y) | C762 | 1-137-047-11 <coii 1-408-413-00 1-410-665-31</coii | L> | 22UH 15UH | | | |
| | 1-247-281-00 | CARBON | 51K | 5% | 1/2W (KV-C2951D ONL | Y) | | <tra!< th=""><th>NSISTOR></th><th></th><th></th><th></th><th></th></tra!<> | NSISTOR> | | | | |
| R815 R816 | 1-215-884-11 1-215-868-00 | METAL OXIDE | 47 680 | 5% 5% | 2W F 1W F | | 9751 | 3-729-119-78 | TRANSISTOR 25 | C2785-H | FE | | |
| R820 R821 R822 | 1-216-049-00 1-249-403-11 1-247-725-11 1-217-778-11 1-216-345-11 | METAL GLAZE CARBON CARBON FUSIBLE METAL OXIDE | 1K 68 10K 1K 0.47 | 555555555555555555555555555555555555555 | 1/10W 1/4W 1/4W F 1W F 1W F | | 9752 9753 9754 | 3-729-140-96 | TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 | B734-34 | | | • • • • • • • • • • • • • • • • • • • |
| R827 R828 R829 | 1-216-097-00 1-216-073-00 1-216-059-00 1-216-051-00 1-249-451-11 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CARBON | 10K 2.7K 1.2K | 555555 | 1/10W 1/10W 1/10W 1/10W 1/10W | | R751 R752 R753 R754 R755 | 1-249-418-11 1-249-426-11 1-249-414-11 1-249-434-11 1-249-405-11 | CARBON CARBON CARBON CARBON CARBON | 5.6K 560 27K | 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | . " |
| R1602A | 1-216-513-75 1-24-945-91 1-2[74-328-11 1-246-513-75 | CARBON WIREWOUND | 47K 1M 2.7 | 5% 5% 10% 5% | 1/4W 1/2W 7W F 1/4W | | R756 R757 E758 R760 | 1-249-419-11 1-249-405-11 1-249-409-11 | CARBON CARBON CARBON CARBON | 1.5 K 100 220 330 | 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W | |



| | | | | | | | | | | | | | DOMEDN |
|-------------------|--|---|---------------------------|------|--------------------|-------------------|-------------------------|--|---|---------------------|--|------------------------|--------|
| REF. NO | D. PART NO. | DESCRIPTION | | | | REMARK | TREF. NO. | PART NO. | DESCRIPTION | | | | REMARK |
| R761 R762 | 1-249-429-11 1-247-895-00 | CARBON | 10K | 5% | 1/4W 1/4W | | : | <c01< td=""><td></td><td></td><td></td><td></td><td></td></c01<> | | | | | |
| R763 R764 | 1-249-429-11 1-249-455-11 | CARBON CARBON | 470K 10K 4.7 | 54 | 1/4W 1/4W | F | L1 L2 | 1-408-403-00 1-408-407-00 | INDUCTOR INDUCTOR | 3.38 6.81 | JH | | |
| R765 | 1-249-455-11 | CARBON | 4.7 | 52. | 1/4₩ | F | L3 L4 | 1-408-407-00 1-408-407-00 | INDUCTOR INDUCTOR | 6.81 6.81 | | | |
| R766 R767 | 1-247-751-11 | CARBON CARBON METAL OXIDE | 1.2K 820 150 220 | 5% | 1/2W 1/2W 2W | F | i | <10 | 1 1 N K > | | | | |
| R768 R769 | 1-212-889-00 | FUSIBLE | 220 | 5% | 1/4W | F | PS1 A | 1-532-679-91 | | P-N15) | 0.6A | | |
| | <00) | NECTOR> | | | | | | ∠TDA | INSISTOR> | | | | |
| VM73 VM88 | *1-568-878-51 *1-568-878-51 | PIN, CONNECTO | OR 30 OR 30 | | | | | | | TC114E | ζ. | | |
| | ***** | | | **** | | ******* | Q 5 | 8-729-120-28 | TRANSISIUM Z | 551625 | LOLO | | |
| | A-1645-013-A | V BOARD, COM | | | | | Q4 Q5 | 8-729-120-28 8-729-807-87 | TRANSISTOR 2: TRANSISTOR 2: | SC1623- SB1295- | -L5L6 -UL6 | | |
| | | ********* | **** | | | | Q6 Q7 | 8-729-807-87 8-729-807-87 | TRANSISTOR 2: TRANSISTOR 2: | SB1295- SB1295- | -UL6 -UL6 | | |
| | <caf< td=""><td>PACITOR></td><td></td><td></td><td></td><td></td><td>Q8</td><td>8-729-120-28</td><td>TRANSISTOR 2</td><td>SC1623-</td><td>-1516</td><td></td><td></td></caf<> | PACITOR> | | | | | Q8 | 8-729-120-28 | TRANSISTOR 2 | SC1623- | -1516 | | |
| C1 C2 | 1-163-038-00 | ELECT CERAMIC CHIP | 0.1 MF | | 20% | 16V 25V | | <res< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td></res<> | SISTOR> | | | | |
| C3 C4 C5 | i-124-120-11 i-163-077-00 i-124-120-11 | ELECT CERAMIC CHIP ELECT | 220MF 0.1MF 220MF | | 201 | 167 507 167 | JRO1 JRO2 | 1-216-295-00 | METAL GLAZE METAL GLAZE | 0 | 5% 5% | 1/10W 1/10W | |
| C6 | | CERAMIC CHIP | 0.1MF | | 20% | | JRO3 JRO8 | 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE | 0 | 55555555 | 1/10W 1/10W | |
| C10 C11 | 1-163-038-00 1-163-038-00 | CERAMIC CHIP | 0.1MF | | | 25¥ 25¥ 25¥ | JR09 JR11 | 1-216-295-00 1-216-295-00 | | 0 | | 1/10W 1/10W | |
| C12 C13 | 1-163-038-00 1-163-038-00 | CERAMIC CHIP CERAMIC CHIP | C. 1MF | | | 25¥ 25¥ | JR14 JR17 | 1-216-296-00 1-216-295-00 | METAL GLAZE | 0 | 555555555555555555555555555555555555555 | 1/8W 1/10W | |
| C14 C15 | 1-124-927-11 1-124-927-11 | ELECT | 4.7MF 4.7MF | | 202 202 | 50V 50V | JR18 JR19 | 1-216-296-00 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 | 5% | 1/8₩ 1/8₩ | |
| 016 017 | 1-163-141-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.0015 | (F | 55% | 507 507 507 | JR20 JR21 | 1-216-296-00 1-216-296-00 | | 0 | 5% | 1/8W 1/8W | |
| C18 C26 | 1-163-141-00 1-163-038-00 | CERAMIC CHIP | | | | | JR23 JR24 | 1-216-295-00 1-216-296-00 | METAL GLAZE METAL GLAZE | 0 | 50555555555555555555555555555555555555 | :/10₩ :/8₩ | |
| 025 028 | 1-163-117-00 1-163-117-00 | CERAMIC CHIP | 100PF 100PF | | 55 | 50Y | JR25 | 1-216-296-00 | METAL GLAZE | C | | 1/8₩ | |
| C29 C32 | 1-163-117-00 1-163-038-00 | CERAMIC CHIP | | | 5% | 50Y 25Y | JR26 JR201 | 1-216-296-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 | 55 | 1/8¶ 1/10¶ 1/10¶ | |
| C3 3 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | | 25V | JR204 JR207 JR208 | 1-216-295-00 1-216-295-00 | METAL GLAZE | 0 | 10101010101010101010101010101010101010 | 1/10¥ 1/10¥ | |
| | <con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td><td>JR211 JR213</td><td>1-216-295-00 1-216-295-00</td><td>METAL GLAZE METAL GLAZE</td><td>0</td><td></td><td>1/10W 1/10W</td><td></td></con<> | NECTOR> | | | | | JR211 JR213 | 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE | 0 | | 1/10W 1/10W | |
| ONVI ONVI | <00N *1-565-393-11 *1-565-393-11 | CONNECTOR, BO | BARD TO | BOAF | RD | | JR219 JR220 | 1-216-295-00 1-216-295-00 1-216-295-00 | METAL GLAZE METAL GLAZE | 0 | 5555555 | 1/84 1/10# | |
| C16.4 7 | | | | | | | | 1-216-295-00 | METAL GLAZE | 0 | | 1/1 0 ₩ | |
| ħ: | <010 | | D.O. | | | | R1 R3 R4 | 1-218-326-11 1-216-049-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 470 1K 100 | 550 | 1/2W 1/10W 1/10W | |
| D1 D3 D4 | 8-719-105-91 8-719-914-44 8-719-400-18 | DIODE RP5.6M- DIODE DAP202K DIODE MA152WK | 10.2 | | | | R5 R6 | 1-216-047-00 1-216-001-00 | METAL GLAZE METAL GLAZE | 820 10 | 55.55.55.55.55.55.55.55.55.55.55.55.55. | /10\ /10\ | |
| DE DE | 8-719-914-44 8-719-400-18 | DIODE DAP202K DIODE MA152WK | | | | | R7 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/1 0 ¥ | |
| DT | 8-719-105-52 | DIODE RD3.6M- | -B2 | | | | . RS . R9 | 1-216-071-00 1-216-308-00 | METAL GLAZE METAL GLAZE | 8.2K 4.7 4.7K | 5. | 1/10W 1/10W 1/8W | |
| D9 | 8-719-106-17 | DIODE RD6.8M- | -82 | | | | R02 R10 | 1-216-214-00 1-218-325-11 | METAL GLAZE METAL GLAZE | 120 | 5% | 786 746 | |
| | 40 | | | | | | : R11 R12 | 1-218-325-11 1-218-325-11 | METAL GLAZE METAL GLAZE | 120 120 | 5% 5% | 1/4W 1/4W | |
| 101 102 103 | 8-759-039-18 8-759-510-46 | IC SDA20162-B IC SAA5246P/E IC FCB61C65-7 | 3002 | | | | R13 R14 | 1-216-025-00 1-216-001-00 | METAL GLAZE METAL GLAZE | 100 10 | 555555555 | 1/10# | |
| 103 | 8-759-510-49 | 10 FCB61C65-7 | 7 0 P | | | | ; R15 | 1-216-013-00 | METAL GLAZE | 33 | >∞ | 110W | |

| | | | | | | | | | V | H' | 1∥H2 | J | 2 . |
|---------------------------------|---|---|------------------------------------|--|---|-------------|--------------------------------------|---|--|---|--|---------------------------------|--------------------------------------|
| REF. NO | D. PART NO. | DESCRIPTION | | | | REMARK | REF. N | O. PART NO |). | DESCRIP | TION | | REMAR |
| R16 R17 R18 R19 R20 | 1-216-013-00 1-216-013-00 1-216-025-00 1-216-025-00 1-216-041-00 | METAL GLAZE | 33 35 100 100 470 | U101010101 4 64 64 64 64 8 | 1/10W 1/10W 1/10W 1/10W 1/10W | | | *4-201-0 2 8-719-9 | 148-31 176-01 148-31 | DIODE LO | LED: 01651 -201VR | | |
| R21 R22 R23 R24 R25 | 1-216-341-00 1-216-168-00 1-216-214-00 1-216-355-00 1-216-365-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 470 56 4.7K 1.8K 4.7K | 51010101010 | 1/10W 1/8W 1/8W 1/10W 1/10W | | D1654 | *4-201-0 4 8-719-9 *4-201-0 | 48-31 76-01 | HOLDER, DIODE LD HOLDER, | LED: D1652 | | |
| R26 R27 R28 R34 R35 | 1-216-049-00 1-216-214-00 1-216-067-00 1-216-065-00 1-216-065-00 | METAL GLAZE | 1K 4.7K 5.6K 4.7K 4.7K | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 1/10W 1/8W 1/10W 1/10W 1/10W | | H2-2 | * 1-568-8 | | NNECTOR> PIN, CON | NECTOR 7P | | |
| R40 R41 R42 R44 R46 | 1-216-065-00 1-216-065-00 1-216-049-00 1-216-295-00 1-216-065-00 | METAL GLAZE | 4.7K 4.7K 1K 0 4.7K | | 1/10W 1/10W 1/10W 1/10W 1/10W | | | 1 8-741-10 1-249-41 | <res< td=""><td>IC SBX16</td><td></td><td>v</td><td>ur.</td></res<> | IC SBX16 | | v | ur. |
| R47 R49 R50 | 1-216-065-00 1-216-049-00 1-216-296-00 | METAL GLAZE | 4.7K 1K | 5% 5% 5% | 1/10W 1/10W 1/8W | | **** | | **** | ******** | 470 5 | | - |
| | ⊊V.A.R | RIABLE RESISTOR | > | | | | | | | ******* | | | |
| RVI | 1-238-012-11 | RES. ADJ, CAR | BON 1K | | | 1 | | | CAP | ACITOR> | | | |
| | <cry< td=""><td>(STAL></td><td></td><td></td><td></td><td>; ; ;</td><td>C1751 C1752</td><td>1-101-00 1-101-00</td><td>15-00 15-00</td><td>CERAMIC CERAMIC</td><td>0.022MF 0.022MF</td><td></td><td>50 V 50 V</td></cry<> | (STAL> | | | | ; ; ; | C1751 C1752 | 1-101-00 1-101-00 | 15-00 15-00 | CERAMIC CERAMIC | 0.022MF 0.022MF | | 50 V 50 V |
| X1 X2 | 1-579-266-21 1-577-364-11 | CRYSTAL VIBRA VIBRATOR, CER | TOR - | | | | | | < CON | NECTOR> | | | |
| #### | *1-638-391-11 | | ***** | ::::: | ******* | ****** | J2-4 | *1-564-51 | 9-11 | TERMINAL PLUG, CON PLUG, CON | NECTOR 4P | | |
| | <con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td><0011</td><td>.></td><td></td><td></td><td></td></con<> | NECTOR> | | | | 1 | | | <0011 | .> | | | |
| H1-02 | *1-568-881-51 1-568-678-11 | PIN, CONNECTOR | 7 S 3P |) | | | 11752 | 1-412-240 | 0-11 | INDUCTOR, | | | |
| H1-05 | 1-562-837-11 | JACK CUNNECTOR | R 4P | | | 1 4 4 | ***** | ******* | ***** | ******* | ********** | ******* | ******** |
| | *Î-568-879-5Î *Î-564-512-11 | | | | | ; | | | 20-A | ******* | COMPLETE (KV- | | |
| + 10h | | ISTOR> | | | | i | | | 20 A D A | CITORS | | | |
| R1651 R1652 | 1-249-413-11 1-249-413-11 | CARBON CARBON | 470 470 | 5% 5% | 1/4W 1/4W | | 0203 | 1-124-025 | | CITOR> | 2 245 | 201 | 504 |
| \$1651 | <swi< th=""><th>TCH></th><th></th><th>24</th><th>i/ t#</th><th>***</th><th>C205 C205 C206 C207 C213</th><th>1-124-925 1-124-925 1-124-925 1-124-927 1-126-233</th><th>7-11 5-11 7-11</th><th>BLECT BLECT BLECT BLECT BLECT</th><th>2.2MF 4.7MF 2.2MF 4.7MF 32MF</th><th>20% 20% 20% 20% 20%</th><th>50V 50V 50V 50V 50V</th></swi<> | TCH> | | 24 | i/ t# | *** | C205 C205 C206 C207 C213 | 1-124-925 1-124-925 1-124-925 1-124-927 1-126-233 | 7-11 5-11 7-11 | BLECT BLECT BLECT BLECT BLECT | 2.2MF 4.7MF 2.2MF 4.7MF 32MF | 20% 20% 20% 20% 20% | 50V 50V 50V 50V 50V |
| \$1653 \$1653 | 1-571-532-21 | SWITCH, TACTIL | , | ***** | ******* | | C214 C217 C218 C219 C220 | 1-137-045 1-137-045 1-137-102 1-137-102 1-108-686 | -11 -11 -11 | FILM FILM FILM FILM FILM HYLAR | 0.0068MF 0.0068MF 0.022MF 0.022MF 0.0033MF | 10% 10% 10% 10% | 400V 400V 250V 250V 100V |
| | *1-638-392-11 *4-374-987-01 *4-381-686-01 | GHIDS LIGHT | IGHT G | 9 195 | | : | C221 C222 C223 C224 | 1-108-686 1-137-095 1-137-095 1-137-047 | -11 -11 -11 | AYLAR FILM | 0.0033MF 0.056MF 0.056MF 0.01MF | 10% 10% 10% 10% | 100V 100V 100V 100V |

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| REF. NO. | PART NO. | DESCRIPTION | 1 | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|------------------------------|--|--|-------------------------------|---------------------------------|----------------------|-------------------------|--|---|---------------------------------|---------------------------------|---------------------------------------|
| C225 | 1-136-173-00 | FILM | 0.47MF | 5. | 50V | C1505 | 1-137-094-11 | FILM | | | 100V |
| C226 C227 C228 C229 | 1-137-102-11 1-137-104-11 1-137-049-11 | FILM FILM FILM FILM FILM | 0.022MF 0.033MF 0.015MF | 105 105 105 | 250V 250V 400V | C1507 C1508 C1509 | 1-108-686-11 1-124-903-11 1-124-903-11 1-124-927-11 1-137-045-11 | MYLAR ELECT ELECT ELECT | 0.0033MF 1MF 1MF | 10% 20% 20% 20% | 100V 50V 50V 50V |
| C230 C231 C232 | | FILM ELECT ELECT | 0. 015ME | 107 | 400V 50V | | | | | | 400V |
| C233 C234 | 1-163-005-11 | ELECT CERAMIC CHIP CERAMIC CHIP | 470PF 470PF | 201 201 101 101 | 50V 50V 50V | C1513 C1514 | 1-163-105-00 1-137-102-11 | CERAMIC CHIP | 33PF 0.022MF | (KV-C25 5% 10% (KV-C25 | 51D ONLY) 50V 250V 51D ONLY) |
| C235 C236 C237 | 1-163-005-11 1-163-005-11 1-124-902-00 | CERAMIC CHIP CERAMIC CHIP ELECT | 470PF 470PF 0.47MF | 101 101 201 | 50V 50V 50V | C1515 | 1-102-117-00 | CERAMIC | 820PF | 10% | 50V 51D ONLY) |
| C238 | 1-163-125-00 1-126-103-11 | CERAMIC CHIP | | 51 201 | 50V 16V | | | | | \K1 C2J | JID UNEI) |
| C340 C241 | 1-163-018-00 | CERAMIC CHIP CERAMIC CHIP | | 10% | 50V 50V | CNIADI | <008 1-565-838-11 | NECTOR> | מכ אום | | |
| C242 C243 C244 | 1-163-033-00 1-163-033-00 1-163-033-00 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.022MF 0.022MF 0.022MF | | 50V 50V 50V | J1-41 J1-43 J1-44 | *1-566-641-11 *1-564-524-11 *1-564-527-11 *1-566-641-11 | PLUG, CONNECT PLUG, CONNECT PLUG, CONNECT | INGE (TAB) TOR 9P TOR 12P | | |
| C245 C1401 | 1-163-033-00 1-124-907-11 | CERAMIC CHIP | 0.022MF 10MF | 20% | 50V 50V | | | | INGE (THE) | 10. | |
| C1402 C1403 C1404 | 1-126-103-11 1-163-003-11 1-137-035-11 | CERAMIC CHIP ELECT ELECT CERAMIC CHIP FILM | 470MF 330PF 0.47MF | 102 | 16V 50V 100V | D201 | <dio 8-719-110-14</dio | DE> DIODE RD9.1ES | S-R3 | | |
| C140E | 1-136-017-00 | CERAMIC CHIP | 0.0047MF | | 50V 100V | D202 D205 | 8-719-110-14 8-719-110-03 | DIODE RD9.1ES | 5-B3 5-B2 | | |
| 01407 01408 | 1-124-122-11 | ELECT ELECT | 0.47MF 47MF 100MF | 10% 20% 20% | 50V 50V | D206 D1401 | 8-719-110-03 | DIODE RD7.5ES | S-B2 | | |
| | 1-126-233-11 1-124-907-11 | | | 201 201 201 | | D1403 D1404 | 8-719-110-03 8-719-110-03 8-719-110-03 | DIODE RD7.5ES DIODE RD7.5ES DIODE RD7.5ES | 5-B2 5-B2 5-R2 | | |
| 01411 01412 | 1-124-907-11 1-124-910-11 | ELECT ELECT | 10MF 47MF | 20% 20% 20% 20% 20% | 50V 50V | D1406 | 8-719-110-03 8-719-921-77 | DIODE RD7.5ES | 5-B2 | | |
| C1414 | 1-124-910-11 1-124-907-11 | | | | 50V 50V | D1408 | 8-719-110-14 8-719-110-14 | DIODE RD9.1ES | S-B3 S-B3 | | |
| C1415 C1416 C1417 | | FILM FILM ELECT | 0.47MF | 10% | | D1410 D1415 | 8-719-110-14 8-719-110-03 8-719-110-03 | DIODE RD9.1ES DIODE RD7.5ES | 5-83 5-82 | | |
| Cidio | 1-163-003-11 | CERAMIC CHIP | 330PF 330PF | 202 102 102 | 50% | | 8-719-110-03 8-719-110-03 | | | | |
| 01423 01426 | i-124-902-00 i-124-902-00 | ELECT | 0.47MF 0.47MF | 20% | 50V | 01421 | 8-719-110-03 8-719-110-03 8-719-110-03 | DIODE RD7.5ES | 5 - B2 | | |
| C1427 C1428 | 1-136-017-00' 1-136-017-00 | CERAMIC CHIP | 0.0047MF | 204 | 50 · 50 · | D1423 | 8-719-110-03 | DIODE RD7.5ES | 5-B2 | | |
| C1430 | 1-163-003-11 | CERAMIC CHIP | | 10% | 50V 50V | D1424 D1425 D1426 | 8-719-110-03 8-719-110-03 8-719-110-03 | DIODE RD7.5ES | -B2 | | |
| 01432 | I-126-529-11 I-124-902-00 I-124-122-11 | ELECT ELECT ELECT | 0.47MF 0.47MF 100MF | 20 20 20 20 | 50V 50V 50V | D1501 | 8-719-300-33 8-719-911-19 | DIODE RU-3AM DIODE 1SS119 | | | |
| | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V | D1503 D1504 | 8-719-911-19 8-719-911-19 | DIODE 188119 | | | |
| 01435 01439 | 1-163-009-11 1-137-047-11 1-137-047-11 | | 0.001MF 0.01MF 0.01MF | 102 102 103 | 50V 400V 400V | D1505 D1506 D1507 | 8-719-911-19 8-719-982-33 8-719-911-19 | DIODE 1SS119 DIODE MTZJ-36 DIODE 1SS119 | D | | |
| C1440 | 1-124-907-11 | | 10MF 10MF | 102 202 202 | 50V 50V | D1510 | 8-719-911-19 | DIODE 155119 | | | |
| C1443 | 1-137-035-11 | FILM | 0.47MF 0.47MF | 10. 10. | 100V 100V | | <1C> | | | | |
| U1440 | 1-102-824-00 | CERAMIC | 47MF 470PF 470PF | 20% 5% 5% | 50V 50V 50V | 101401 | 8-752-053-17 | IC TDA6200 IC CXA1114P | | | |
| | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | 101402 101403 | 8-759-946-32 8-759-040-53 | IC TEA2014A IC MC14053BCP | | | |
| C1503 | -108-680-11 | MYLAR | 1MF 0.001MF 47MF | 20% 10% 20% | 50V 100V 50V | | 8-759-942-16 | TC TEAZUSTA | | | |

| | | - |
|---|-----|-----|
| | 4 | |
| • | - 4 | 4 |
| - | | 146 |

| REF.NO. PART VO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | l - | | | REMARK |
|--|---|--|--------|---|--|---|----------------------------------|--------------------------|--|--------|
| 3AU: | X> | | | R1401 R1402 | 1-216-023-00 1-216-170-00 | METAL GLAZE METAL GLAZE | \$2 68 | 5% 5% | 1/10W 1/8W | |
| J1402 1-561-534-41 J1403 1-561-534-41 | SOCKET 21P SOCKET 21P | | | 31403 R1404 | 1-216-089-00 1-216-178-00 | METAL GLAZE METAL GLAZE | 47X 150 | 5% 5% | 1/10¥ 1/8₩ | |
| SUACK SUCKET 21P SUCKET 2 | | | | R1405 R1407 R1408 | 1-249-434-11 1-216-113-00 1-216-089-00 | CARBON METAL GLAZE METAL GLAZE | 27X 470K 47K | 5% 5% 5% | 1/4W 1/10W 1/10W | |
| Q201 3-729-120-28 Q202 8-729-120-28 Q1401 3-729-216-22 Q1402 8-729-120-28 Q1403 8-729-120-28 | TRANSISTOR 2SC1623- TRANSISTOR 2SC1623- TRANSISTOR 2SA1162- TRANSISTOR 2SC1623- TRANSISTOR 2SC1623- | -L5L6 -L5L6 -G -L5L6 -L5L6 | | R1409 R1410 R1411 R1412 R1413 | 1-216-041-00 1-216-089-00 1-216-041-00 1-216-089-00 1-216-113-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 47K 470 47K 476K | 555555 | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| Q1403 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q1404 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q1404 8-729-216-22 TRANSISTOR 2SA1162-G <pre></pre> | | | R1414 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W 1/10W | | |
| <resistor></resistor> | | | | R1416 R1417 | 1-216-083-00 1-216-023-00 | METAL GLAZE METAL GLAZE | 27% 82 | 55 | 1/10W 1/10W | |
| R201 1-215-079-00 R202 1-216-206-00 R203 1-216-075-00 R204 1-216-085-00 R205 1-216-085-00 | METAL GLAZE 18K METAL GLAZE 2.2K METAL GLAZE 12K METAL GLAZE 33K METAL GLAZE 33K | 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W | | R1418 R1419 R1420 R1421 R1422 | 1-216-295-00 1-216-295-00 1-216-295-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 0 0 0 100 | 5% 5% | 1/2W F 1/10W 1/10W 1/10W 1/10W | |
| R206 1-216-061-00 R207 1-216-061-00 | METAL GLAZE 3.3K METAL GLAZE 3.3K | 5% 1/10W 5% 1/10W | | R1423 | 1-216-083-00 | METAL GLAZE | 27K | 5. | 1/10W | |
| R208 1-216-077-00 R209 1-316-081-00 R210 1-316-077-00 | METAL GLAZE 15K METAL GLAZE 22K METAL GLAZE 15K | 5% 1/10W 5% 1/10W 5% 1/10W | | R1424 R1425 R1426 R1427 | 1-216-083-00 1-216-045-00 1-216-025-00 1-216-001-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 27X 580 100 10 | 2010101011 \$48484848 | 1/10W 1/10W 1/10W 1/10W 1/10W | |
| R211 1-216-031-00 R213 1-216-077-00 R214 1-216-033-00 R215 1-216-031-00 | METAL GLAZE 22K METAL GLAZE 15K METAL GLAZE 220 METAL GLAZE 22K | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | R1429 R1430 R1431 | 1-216-113-00 1-216-170-00 1-216-041-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 470 K 68 470 | 5% 5% 5% | 1/10W 1/8W 1/10W | |
| R216 1-216-081-00 R217 1-216-077-00 | METAL GLAZE 22K METAL GLAZE 15K | 5% 1/10W 5% 1/10W | | R1432 R1433 | 1-216-041-00 | METAL GLAZE | 470 220 | 5% | 1/10W 1/10W | |
| R218 1-216-033-00 R219 1-216-073-00 R220 1-216-057-00 | METAL GLAZE 220 METAL GLAZE 10K METAL GLAZE 2.2K | 5% 1/10W 5% 1/10W 5% 1/10W | | R1434 R1437 R1440 R1441 | 1-249-393-11 1-249-434-11 1-216-045-00 1-216-045-00 | CARBON CARBON METAL GLAZE METAL GLAZE | 10 27 <i>K</i> 680 680 | 57 | 1/4W F 1/4W 1/10W 1/10W | |
| R221 1-215-041-00 R222 1-216-041-00 R223 1-216-049-00 R224 1-216-049-00 R225 1-216-049-00 | METAL GLAZE 470 METAL GLAZE 470 METAL GLAZE 1K METAL GLAZE 1K METAL GLAZE 1K | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | R1442 R1443 R1444 R1445 | 1-216-089-00 1-216-089-00 1-216-033-00 1-216-095-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 47K 47K 220 82K | 5% 5% 5% | 1/10W 1/10W 1/10W 1/10W | |
| R225 I-216-049-00 R227 I-216-033-00 | METAL GLAZE 1K METAL GLAZE 220 | 5% 1/10W 5% 1/10W | | R1446 | 1-216-033-00 1-216-033-00 | METAL GLAZE METAL GLAZE | 220 220 | 5% 5% | 1/10W 1/10W | |
| K420 1-210-019-00 | METAL GLAZE 18K | 5% 1/10W 5% 1/10W 5% 1/10W | | R1453 | 1-216-049-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 1 K 1 K | 5% | 1/10W 1/10W 1/10W 1/10W | |
| R231 1-216-073-00 R232 1-216-073-00 R233 1-216-057-00 | METAL GLAZE 10K METAL GLAZE 10K METAL GLAZE 2.2K | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | R1454 | 1-216-180-00 1-216-180-00 | METAL GLAZE | | 5% 5% | 1/8W | |
| R234 1-216-057-00 R235 1-216-295-00 | METAL GLAZE 2.2K METAL GLAZE 0 | 5% 1/10W 5% 1/10W | | R1457 R1459 R1460 | 1-216-025-00 1-216-025-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 100 100 4.7K | 5% 5% 5% | 1/10W 1/10W 1/10W- | |
| R236 1-216-295-00 R240 1-216-033-00 R241 1-216-091-00 | METAL GLAZE 0 METAL GLAZE 220 METAL GLAZE 56K | 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W | | R1462 | 1-216-190-00 1-216-057-00 | METAL GLAZE METAL GLAZE | 470 | 5% | 1/8W 1/10W | |
| R242 1-216-091-00 R243 1-216-075-00 | METAL GLAZE 56K METAL GLAZE 12K | 5% 1/10W 5% 1/10W | | R1465 | 1-216-049-00 1-216-061-00 1-216-023-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 3.3K 82 | 5% 5% 5% 5% | 1/10W 1/10W 1/10W | |
| R244 1-216-067-00 R245 1-216-075-00 R246 1-216-067-00 | METAL GLAZE 5.6K METAL GLAZE 12K METAL GLAZE 5.6K | 5% 1/10W 5% 1/10W 5% 1/10W | | R1466 R1467 | 1-216-033-00 | METAL GLAZE METAL GLAZE | 220 | 5% | 1/10W 1/10W | |
| R247 1-216-075-00 R248 1-216-067-00 | METAL GLAZE 12K METAL GLAZE 5.6K | 5% 1/10W 5% 1/19W | | R1468 R1469 R1470 | 1-216-025-00 1-216-025-00 1-216-025-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 100 100 100 | 5% 5% 5% | 1/10W 1/10W 1/10W | |
| R249 1-216-075-00 R250 1-216-067-00 R1400 1-216-295-00 | METAL GLAZE 12K METAL GLAZE 5.6K METAL GLAZE 0 | 5% 1/10W 5% 1/10W 5% 1/10W | | R1471 | 1-216-023-00 | METAL GLAZE METAL GLAZE | | 5% 5% | 1/10W 1/10W | |

J1 IFG

| REF. NO | . PART NO. | DESCRIPTION | | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | | REMARK |
|---|--|---|--|---|--------------|---|--|--|--|---------------------------------|------------------------------------|
| R1474 R1476 R1477 | 1-216-023-00 1-216-113-00 1-216-089-00 1-216-089-00 1-216-113-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 470K 5: 47K 5: 47K 5: | 1/10W 1/10W 1/10W 1/10W 1/10W | | C7 C8 C9 C10 | 1-124-903-11 1-124-907-11 1-130-471-00 1-163-121-00 | ELECT ELECT MYLAR CERAMIC CHIP | 1MF 10MF 0.001MF 150PF | 202 202 52 53 | 50V 50V 50V 50V |
| R1480 R1482 R1483 R1484 | 1-216-190-00 1-216-178-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 470 52 150 52 150 52 10K 52 10K 52 | 1/8W 1/8W 1/8W 1/10W | | C11 C12 C13 C14 C15 | 1-163-119-00 1-136-298-00 1-124-477-11 1-124-477-11 1-124-477-11 | CERAMIC CHIP FILM ELECT ELECT ELECT | 120PF 0.0033MF 47MF 47MF 47MF | 5% 20% 20% 20% 20% | 50V 100V 16V 16V 16V |
| R1486 R1487 R1488 R1489 | 1-216-073-00 1-216-065-00 1-216-065-00 1-216-065-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 10K 52 4.7K 52 4.7K 52 | 1/10W 1/10W 1/10W | | C16 C17 C18 C19 | 1-124-477-11 1-124-907-11 1-137-047-11 1-137-047-11 1-126-233-11 | ELECT ELECT FILM FILM ELECT | 47MF 10MF 0.01MF 0.01MF 22MF | 20% 20% 10% 10% 20% | 16V 50V 400V 400V 50V |
| R1502 R1503 R1504 R1505 | 1-216-081-00 1-216-083-00 1-216-113-00 1-216-085-00 1-216-081-00 | METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE | 22K 52 27K 52 470K 52 33K 52 22K 52 | 1/10W 1/10W 1/10W | | C22 C23 C24 | 1-126-233-11 1-137-098-11 1-137-031-11 1-124-034-51 1-137-102-11 | ELECT FILM FILM ELECT FILM | 22MF 0.1MF 0.22MF 33MF 0.022MF | 202 102 102 202 102 | 50V 100V 100V 16V 250V |
| R1509 R1510 R1511 R1512 | 1-216-067-00 1-216-049-00 1-216-073-00 | | 470K 52 220K 52 5.6K 52 1K 52 10K 52 56K 52 | 1/10W 1/10W 1/10W | | C28 C29 C30 | 1-137-094-11 1-124-903-11 1-163-109-00 1-124-903-11 1-124-903-11 | FILM | 0.047MF | 10% | 100V 50V 50V 50V 50V |
| R1514 R1515 R1516 | 1-216-079-00 | METAL GLAZE METAL GLAZE METAL GLAZE | 680K 5% | 1/10W (KV-C2551 1/10W | D ONLY) | C33 | 1-137-047-11 1-130-479-00 1-163-081-00 1-137-031-11 1-124-907-11 | CERAMIC CHIP | 0 22MF | | 400V 50V 25V 100V 50V |
| R1519 | 1-216-033-00 1-216-101-00 1-216-113-00 1-216-111-00 | METAL GLAZE METAL GLAZE | 220 51 150K 51 470K 51 390K 51 | 1/10W 1/10W (KV-C2551 1/10W | | | 1-163-119-00 1-124-477-11 1-124-477-11 1-163-133-00 | CERAMIC CHIP ELECT ELECT CERAMIC CHIP | 120PF 47MF 47MF 47MF 470PF | 51 201 201 57 | 50V 16V 16V 50V |
| R1501 | 1-216-214-00 | WETAL CLATE | 4.7% 5% | (KV-C2951 1/8W | | | <fil< td=""><td></td><td></td><td></td><td></td></fil<> | | | | |
| R1550 | 1-216-349-00 1-216-067-00 | METAL GLAZE METAL GLAZE | 5.6K 5% | 17 6m F 1W F (KV-C2951 1/10W | D OKLY) | CDA1 CDA2 SFT1 SFT2 | 1-404-751-11 1-404-750-11 1-527-840-00 1-527-839-00 | DISCRIMINATOR DISCRIMINATOR FILTER, CERAM FILTER, CERAM | . CERAMIC . CERAMIC IC IC | | |
| <pre> <variable resistor=""> EVISOR 1-238-028-11 PES ADJ CAPRON 470V </variable></pre> | | | | <diode></diode> | | | | | | | |
| RV1502 | 1-238-023-11 1-238-016-11 1-238-017-11 | RES, ADJ, CARBO RES, ADJ, CARBO RES, ADJ, CARBO | ON 10K | | : | | 8-719-400-18 | DIODE MA152WK | | | |
| 871504 | 1-238-012-11 1-238-023-11 | RES. ADJ. CARBO | DN 1E | | | | <1C> | | | | |
| RV1507 RV1508 | 1-238-017-11 1-238-009-11 1-238-016-11 1-238-023-11 | RES, ADJ, CARBO RES, ADJ, CARBO RES, ADJ, CARBO RES, ADJ, CARBO | ON 220 ON 10K | | | 1 C2 1 C3 | 8-759-003-90 8-759-030-48 | IC TBA129 IC TBA129 IC TDA6600-2 IC TDA2595/V9 | | | |
| <pre><connector></connector></pre> | | | | | | | | | | | |
| | A-1654-004-A | IFG BOARD, COMP | | | | IFG13 * | 1-565-488-11 | | ARD TO BOARD | 12F | |
| <capacitor></capacitor> | | | | | | <c01l< td=""><td>></td><td></td><td></td><td></td></c01l<> | > | | | | |
| 033334 03304 05 | !-164-232-11 !-164-232-11 !-164-232-11 | CERAMIC CHIP O. CERAMIC CHIP O. CERAMIC CHIP O. CERAMIC CHIP G. CERAMIC CHIP O. | OIME OIME OIME | 50 50 50 50 50 |)V :)V : | L2 L3 L4 | 1-410-064-11 1-408-421-00 | INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR | 120H 120H 2.7MMH 1000H 1000H | | |
| Ct | | CERAMIC CHIP O. | | 50 | | | . 100 121 00 | | 200011 | | |

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The components identified by shading and mark $\stackrel{*}{ o}$ are critical for safety. Replace only with part number specified.

| REF.NO. PART NO. | DESCRIPTION | REMARK | | | | | | | |
|--|---|---|--|--|--|--|--|--|--|
| <transistor></transistor> | | | | | | | | | |
| 92 8-729-901-00 93 3-729-216-22 94 3-729-901-00 | TRANSISTOR 2SA1162-G | | | | | | | | |
| <resistor></resistor> | | | | | | | | | |
| JR8 1-216-296-00 JR10 1-216-296-00 R1 1-216-045-00 R2 1-216-043-00 R3 1-216-043-00 | METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 680 5% METAL GLAZE 560 5% METAL GLAZE 560 5% | 1/8W 1/8W 1/10W 1/10W 1/10W | | | | | | | |
| R5 1-216-045-00 R6 1-216-043-00 R7 1-216-043-00 R9 1-216-073-00 R11 1-216-095-00 | METAL GLAZE 680 5% METAL GLAZE 560 5% METAL GLAZE 560 5% METAL GLAZE 10K 5% METAL GLAZE 82K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | | | | | | |
| R12 1-216-097-00 R13 1-216-071-00 R15 1-216-059-00 R16 1-215-097-00 R17 1-216-097-00 | METAL GLAZE 100K 5% METAL GLAZE 8.2K 5% METAL GLAZE 2.7K 5% METAL GLAZE 100K 5% METAL GLAZE 100K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | | | | | | |
| R18 1-216-063-00 R19 1-216-097-00 R20 1-216-075-00 R22 1-216-099-00 R24 1-216-089-00 | METAL GLAZE 3.9K 5% METAL GLAZE 100K 5% METAL GLAZE 12K 5% METAL GLAZE 120K 5% METAL GLAZE 47K 5% | 1/10W 1/10W 1/10W 1/10W 1/10W | | | | | | | |
| R25 1-216-077-00 | METAL GLAZE 15K 5% | 1/10W | | | | | | | |
| <vaf< td=""><td>RIABLE RESISTOR></td><td></td></vaf<> | RIABLE RESISTOR> | | | | | | | | |
| RV1 1-238-016-11 RV2 1-238-019-11 | RES, ADJ, CARBON 10K RES, ADJ, CARBON 47K | | | | | | | | |
| *************************************** | | | | | | | | | |
| | SCELLANEOUS | 1 | | | | | | | |
| 1-236-510-11 \$\darklet\$ 1-426-372-11 \$\darklet\$ 1-426-398-11 \$\darklet\$ 1-451-311-21 \$\darklet\$ 1-451-313-21 | NETWORK, DIVIDING COIL, DEMAGNETIZATION (K COIL, DEMAGNETIZATION (K DEFLECTION YOKE (Y25FXA) DEFLECTION YOKE (Y29FXA) | V-C2951D ONLY) | | | | | | | |
| 1-452-032-00 1-452-094-00 ▲ 1-452-509-42 1-544-146-11 | MAGNET, DISK: 10MM ¢ MAGNET, ROTATABLE DISK: NECK ASSY, PICTURE TUBE SPEAKER | 15MM ø (NA-308) (XV-C2951D ONLY) | | | | | | | |
| 1-544-147-11 1-590-501- 11 | SPEAKER CORD, POWER (WITH NOISE I | FILTER) | | | | | | | |
| V901 & 8-733-224-05 & 8-733-823-05 | PICTURE TUBE (A59JWC60X) PICTURE TUBE (A68JYK60X) | (KV-C2551D ONLY) | | | | | | | |
| *************************************** | ***************** | | | | | | | | |

ACCESSORIES AND PACKING MATERIALS

| PART NO. | DESCRIPTION | REMARK |
|---|--|----------------|
| 4-200-632-11 *4-200-236-01 *4-200-359-01 *4-200-237-01 | MANUAL, INSTRUCTION (GERMAN/ENGLI FRENCH/DUTCH/ITALIAN/PORTUGUESE) CUSHION (UPPER) (ASSY) (KV-C2551D CUSHION (UPPER) (ASSY) (KV-C2951D INDIVIDUAL CARTON (KV-C2551D ONLY | ONLY) ONLY) |
| *4-200-360-01 *4-200-238-01 *4-200-361-01 *4-381-155-01 *4-384-027-01 | INDIVIDUAL CARTON (KV-C2951D ONLY) CUSHION (LOWER) (KV-C2551D ONLY) CUSHION (LOWER) (KV-C2951D ONLY) BAG, PROTECTION (KV-C2551D ONLY) BAG, PROTECTION (KV-C2951D ONLY) |) |

REMOTE COMMANDER

1-465-796-11 CONTROL UNIT, REMOTE (RM-316) 4-031-670-01 COVER, POCKET (FOR 8M-816)